PELLET STOVES

Instruction Manual

Babyfiamma
Preziosa
Karolina
Isabella
Ecologica
Inserto Comfort Maxi
Bella
Bella Lux
Contessa
Duchessa
Divina
Divina Plus
Falò 1 XLP
Falò 1 CP
Falò 2 CP

Extraflame

Congratulations! You are now the owner of an EXTRAFLAME stove!

The **EXTRAFLAME** pellet stove is an ideal heating solution. It utilises the most advanced technology and is manufactured to the highest standards with a contemporary design, allowing you to enjoy the ambience and warmth of a natural flame in complete safety.

This manual tells you how to use your stove correctly. Please read the entire manual carefully before using your stove.

IMPORTANT

Make sure that the dealer completes the following box with the details of the authorised specialist who will help you if you have any problems in using your new pellet stove.

AUTHORISED SPECIALIST

Company_____
Full name _____
Address _____ **No.**_____
Postal Code _____ **City** _____
TEL. _____ **FAX** _____

All Extraflame products are manufactured according to the following directives:

- ***89/106 EEC (CPD)*** *construction materials*
- ***73/23 EEC (LVD)*** *electrical safety*
- ***98/37 EEC*** *machinery*
- ***2004/108 EEC (EMC)*** *electromagnetic compatibility*

And the following standards:

- ***prEN14785***
- ***EN60335.1 EN50165 EN50366***
- ***EN292 EN294***
- ***EN55014.1 EN55014.2 EN61000-3-2 EN61000-3-3***

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1. PRECAUTIONS AND SAFETY

The stoves manufactured in our factory are built with the maximum dedication to the individual components so as to protect both the user and the installer from accidents. Authorized personnel are therefore advised to pay special attention to the electrical connections after any servicing operation on the product, especially with regard to the stripped part of the wires, which must not protrude in any way from the terminal block to prevent possible contact with the live parts of the wire.

Installation must be carried out by authorized personnel, who must issue the purchaser a declaration of compliance of the system. The purchaser shall assume responsibility for the definitive installation and consequent proper operation of the product installed. Extraflame S.p.A. may not be held responsible in the event of failure to observe these precautions.

This instruction manual constitutes an integral part of the product. It must always accompany the appliance, also when it is transferred to another owner or user or moved to another location. If the manual gets damaged or lost, ask your local service centre for another copy.

This stove must only be used for the applications for which it was expressly designed.
The manufacturer declines any responsibility, contractually or extra-contractually, for any damage caused to persons, animals or property by errors in installation, adjustment, and maintenance, or by improper use.

After removing the packaging, check to make sure that the contents are intact and complete.
If this is not the case, contact the vendor from whom the appliance was purchased.

The electrical components of the stove must only be replaced by an authorized service centre.

General stove maintenance must be carried out at least once a year, scheduled sufficiently in advance with the service centre.

The following safety precautions must be observed:

Do not allow the stove to be used by unattended children or disabled persons.

Do not touch the stove if you are bare-footed or if parts of your body are wet or damp.
Modifying the safety or adjustment devices without the manufacturer's approval or instructions is forbidden.

Never pull, detach, or twist the electrical cables coming out of the stove, even if it is disconnected from the electrical power.

Do not plug or reduce the size of the air vents of the room in which the stove is installed.
The air vents are critical for correct combustion.

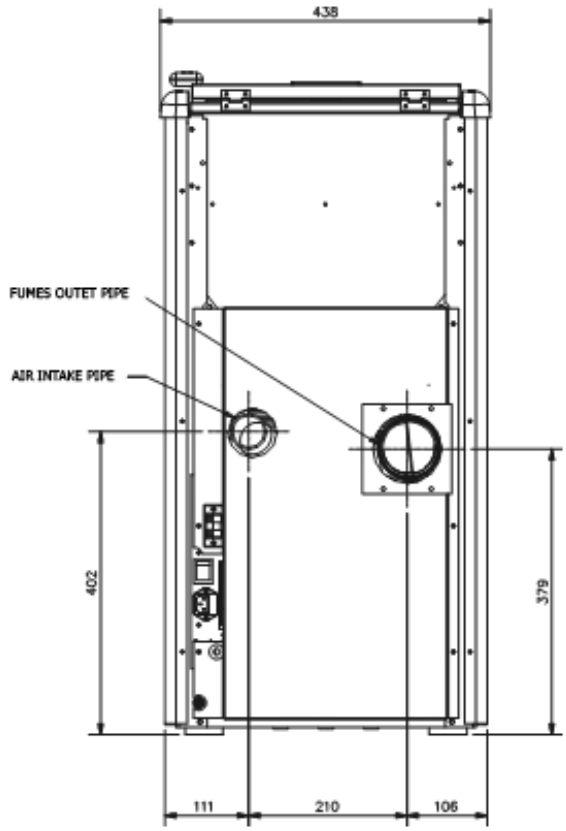
Keep the packaging materials out of the reach of children and unattended disabled persons.

2. TECHNICAL SPECIFICATIONS

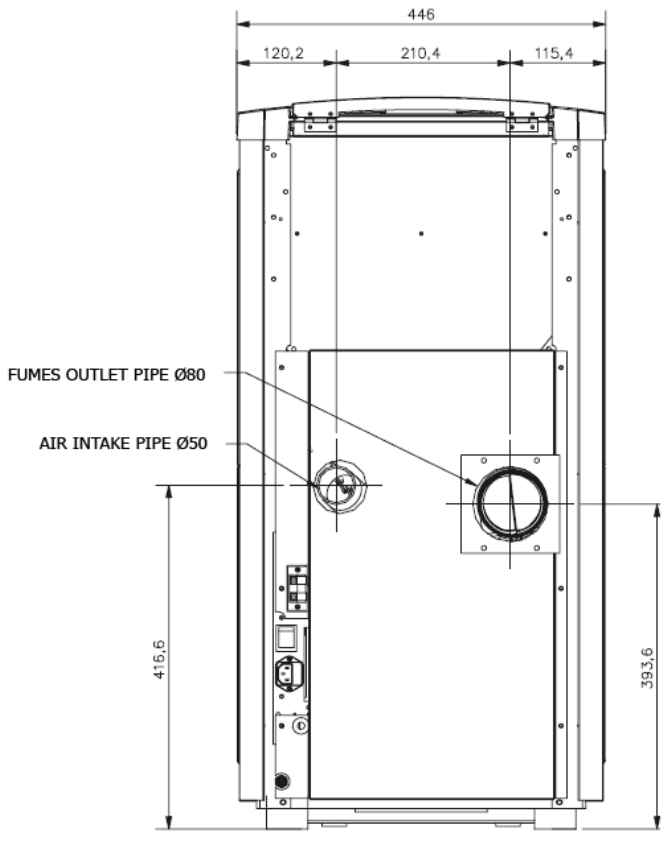
		Babyfiamma	Preziosa
Height	mm	858	884
Width	mm	440	446
Depth	mm	470	477
Weight	kg	100	110
Exhaust pipe diameter	mm	80	80
Max. heating volume	m^3	100	100
Total power (heating power)	kW/h	1.9 - 5.1	1.9 - 5.1
Water heating power	kW/h	/	/
Pellet consumption per hour	kg/h	0.5 - 1.2	0.5 - 1.2
Absorbed electrical power	W	25 - 100	25 - 100
Lighting power	W	+280	+280
Power supply	V, Hz	230, 50	230, 50
Hopper capacity	kg	~11	~11
Water in/out pipe diameter	"	/	/

All data are indicative and not binding. The manufacturer reserves the right to make technical modifications for improving the product.

Babyfiamma



Preziosa



		Karolina	Isabella
Height	mm	976	864
Width	mm	488	453
Depth	mm	501	497
Weight	kg	115	110
Exhaust pipe diameter	mm	80	80
Max. heating volume	m³	140	100
Total power (heating power)	kW/h	1,9 - 7	1,9 - 5,1
Water heating power	kW/h	/	/
Pellet consumption per hour	kg/h	0,5 - 1,5	0,5 - 1,2
Absorbed electrical power	W	25 - 100	25 - 100
Lighting power	W	+280	+280
Power supply	V, Hz	230, 50	230, 50
Hopper capacity	kg	~15	~11
Water in/out pipe diameter	"	/	/

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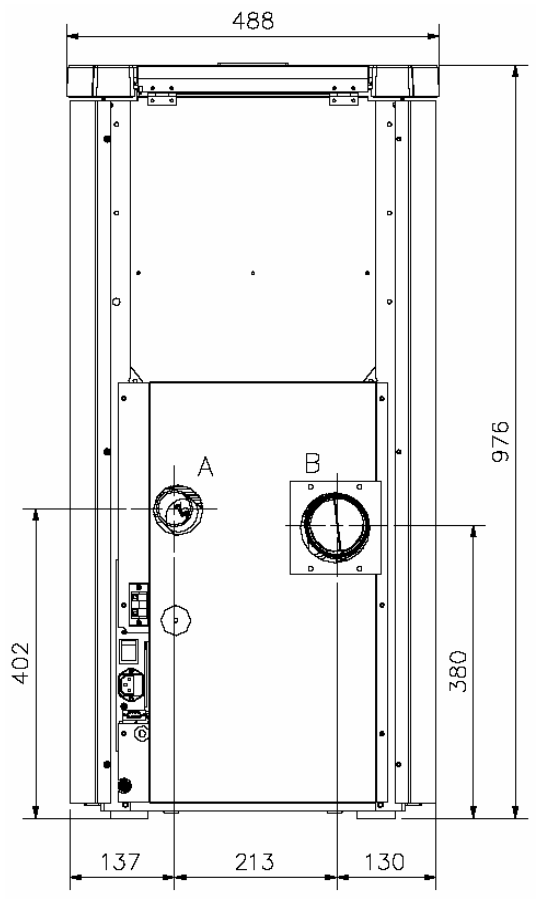
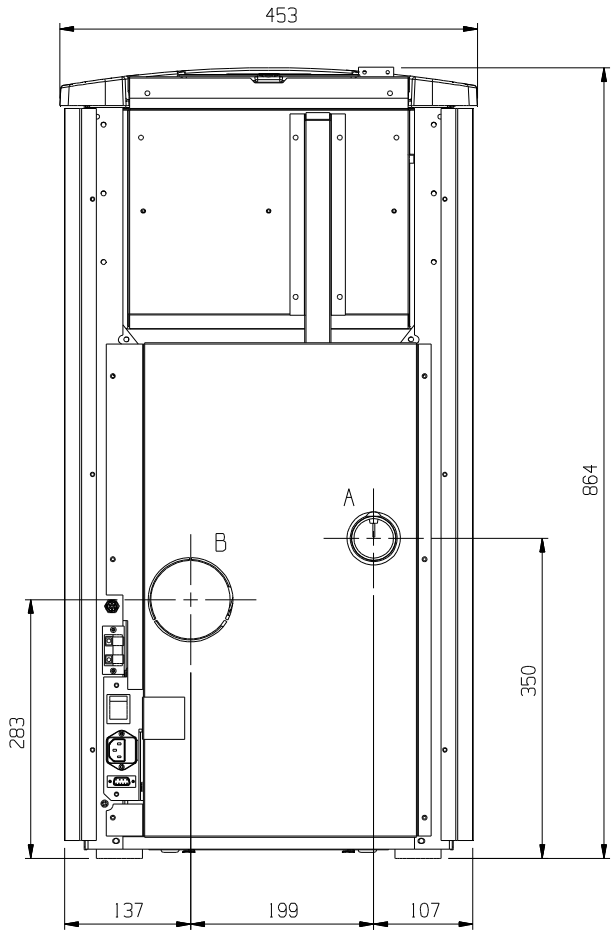
Karolina

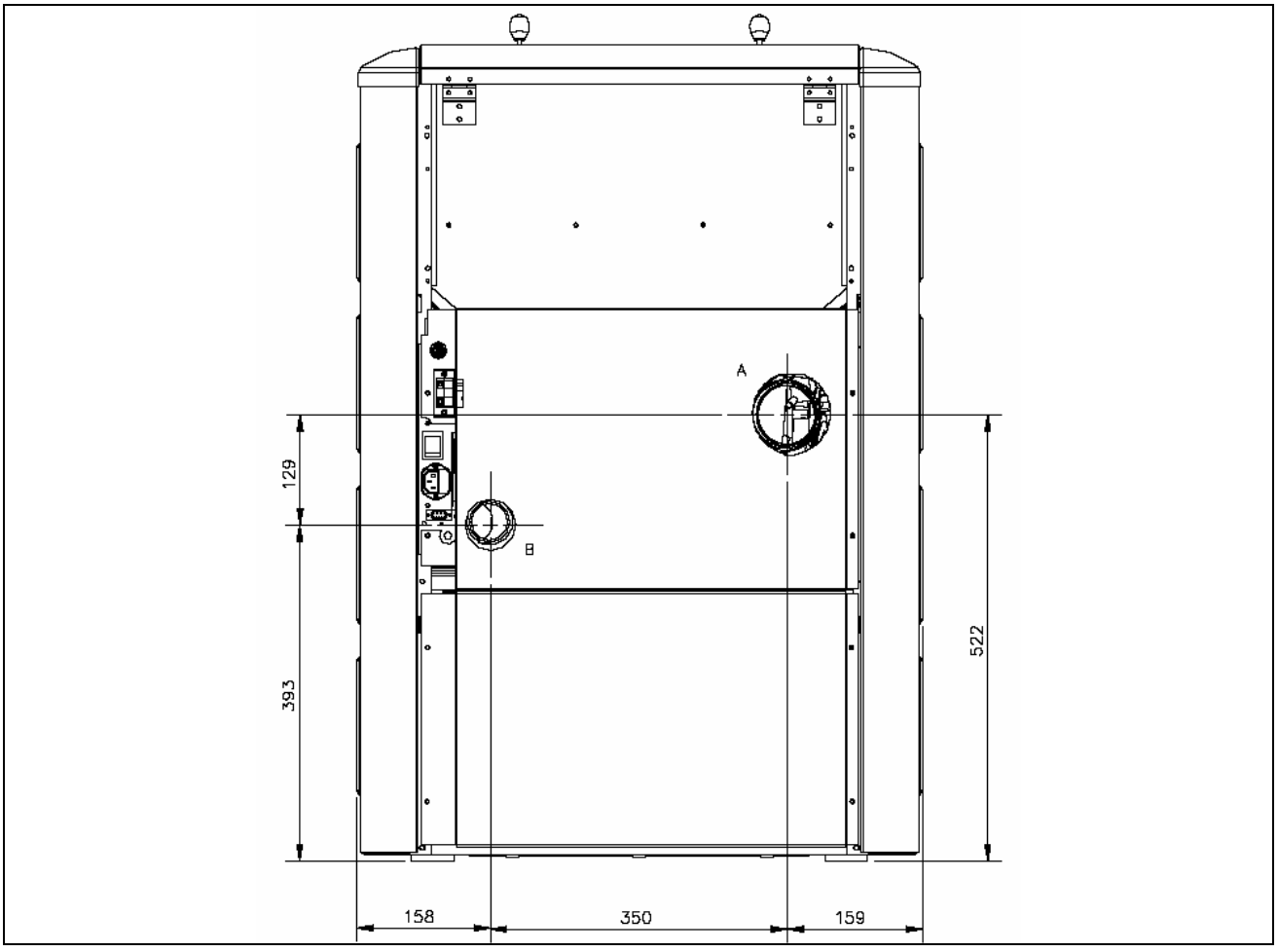


Isabella



		Ecologica
Height	mm	953
Width	mm	670
Depth	mm	677
Weight	kg	170
Exhaust pipe diameter	mm	80
Max. heating volume	m³	220
Total power (heating power)	kW/h	3.0 - 11.0
Water heating power	kW/h	/
Pellet consumption per hour	kg/h	0.8 - 2.4
Absorbed electrical power	W	25 - 100
Lighting power	W	+280
Power supply	V, Hz	230, 50
Hopper capacity	kg	~35
Water in/out pipe diameter	"	/
Pump head	m	/
Pump position	/	/

All data are indicative and not binding. The manufacturer reserves the right to make technical modifications for improving the product.



		I.C. Maxi
Height	mm	606
Width	mm	640
Depth	mm	717
Weight	kg	140
Exhaust pipe diameter	mm	80
Max. heating volume	m^3	190
Total power (heating power)	kW/h	3.0 - 9.4
Water heating power	kW/h	/
Pellet consumption per hour	kg/h	0.8 - 2.0
Absorbed electrical power	W	25 - 100
Lighting power	W	+280
Power supply	V, Hz	230, 50
Hopper capacity	kg	~28
Water in/out pipe diameter	"	/

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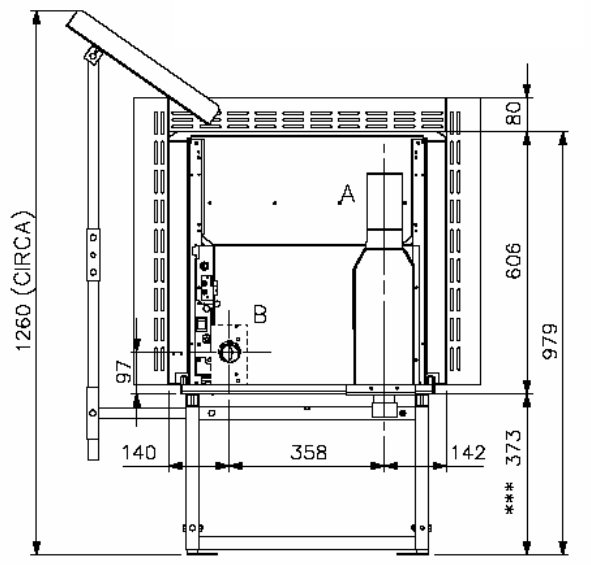

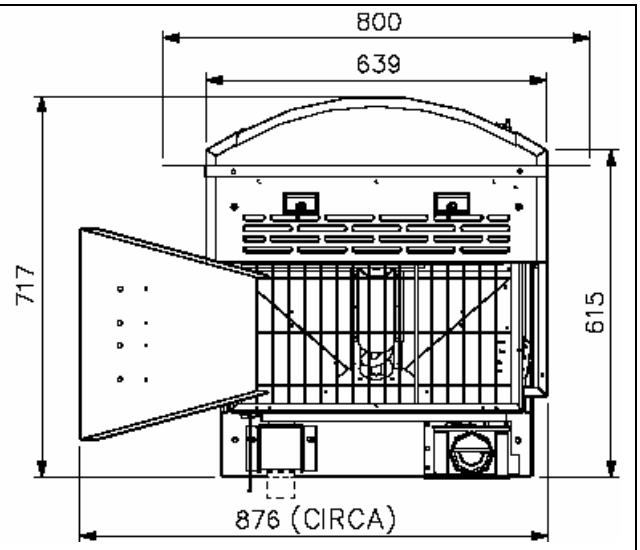

*** Minimum height
The particular "adjust pipe" is pierced with 3 holes Ø 9 of a 90 – 100 distance; for different adjustments, pierce according to your necessity.

		Bella	Bella-Lux
Height	mm	1043	1043
Width	mm	520	520
Depth	mm	513	513
Weight	kg	150	160
Exhaust pipe diameter	mm	80	80
Max. heating volume	m³	170	170
Total power (heating power)	kW/h	3.0 – 8.5	3.0 - 8.5
Water heating power	kW/h	/	/
Pellet consumption per hour	kg/h	0.8 - 1.6	0.8 - 1.6
Absorbed electrical power	W	25 - 100	25 - 100
Lighting power	W	+280	+280
Power supply	V, Hz	230, 50	230, 50
Hopper capacity	kg	~25	~25
Water in/out pipe diameter	"	/	/

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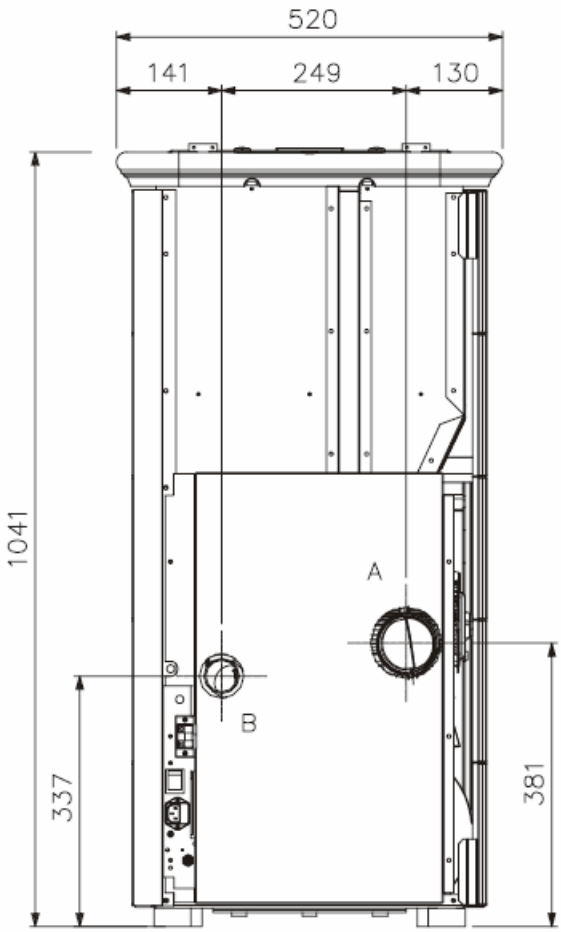
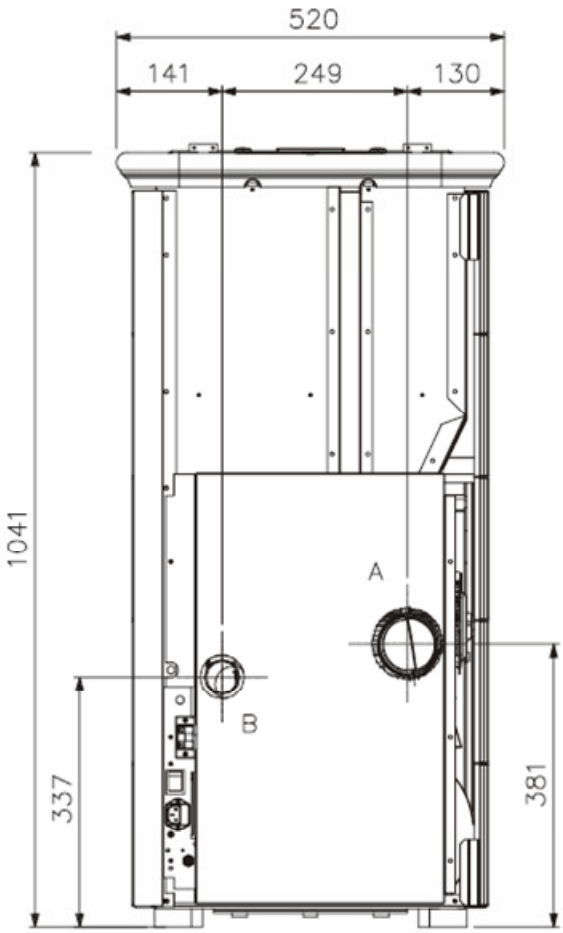
Bella



Bella Lux



		Contessa	Duchessa
Height	mm	1168	1032
Width	mm	522	538
Depth	mm	500	504
Weight	kg	170	177
Exhaust pipe diameter	mm	80	80
Max. heating volume	m³	180	170
Total power (heating power)	kW/h	3,0 - 9,4	3,0 – 8,5
Water heating power	kW/h	/	/
Pellet consumption per hour	kg/h	0,8 – 2,0	0,8 - 1,8
Absorbed electrical power	W	25 - 100	25 - 100
Lighting power	W	+280	+280
Power supply	V, Hz	230, 50	230, 50
Hopper capacity	kg	~21	~25
Water in/out pipe diameter	"	/	/

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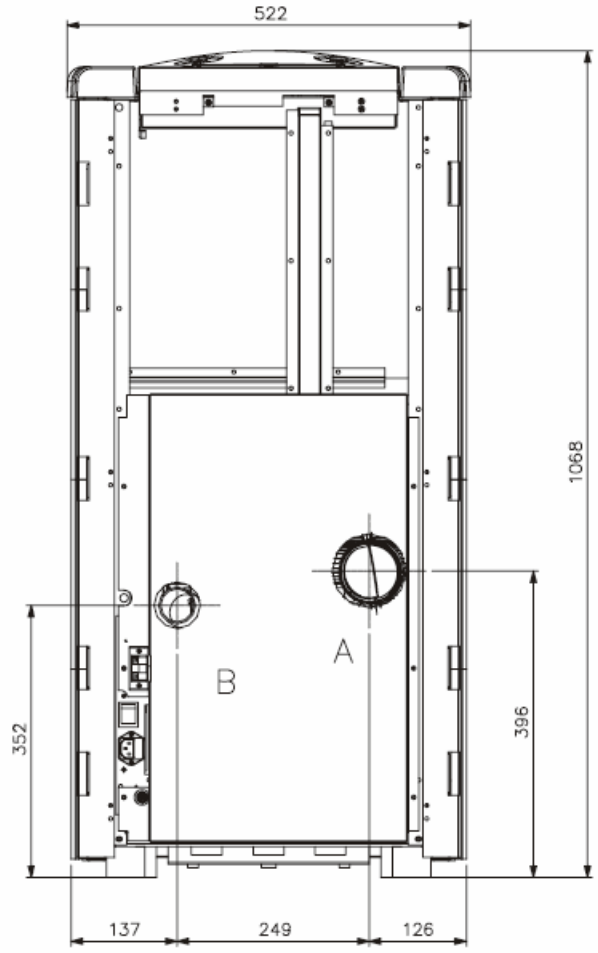
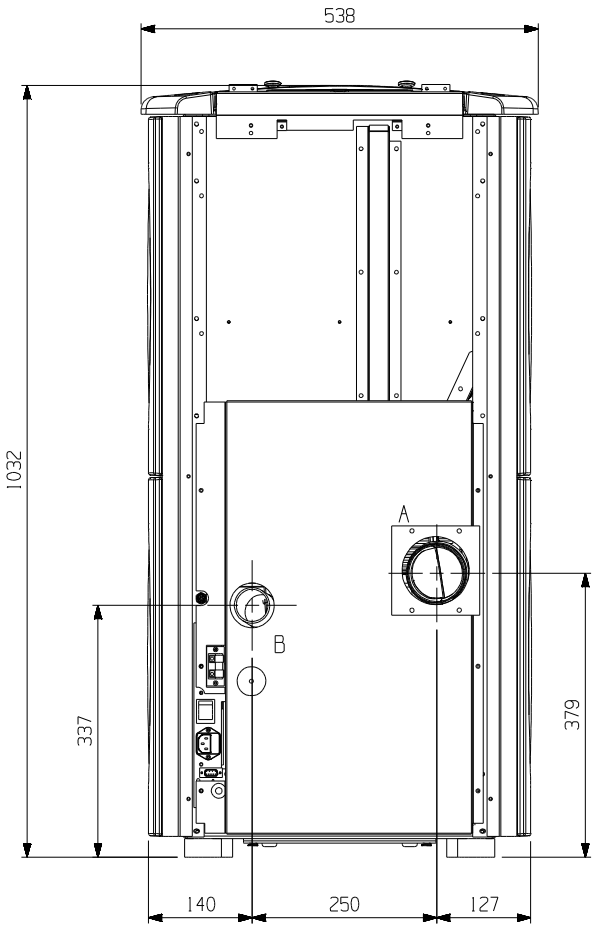
Contessa



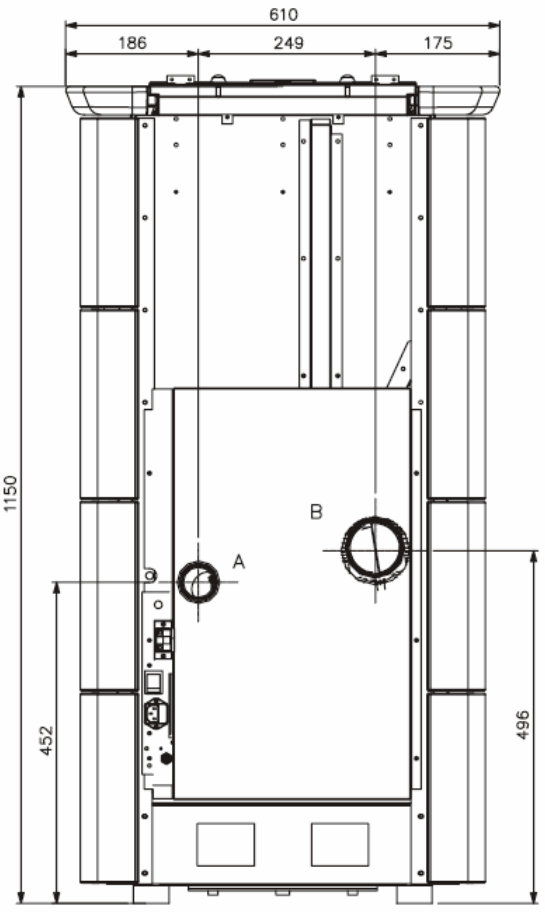
Duchessa



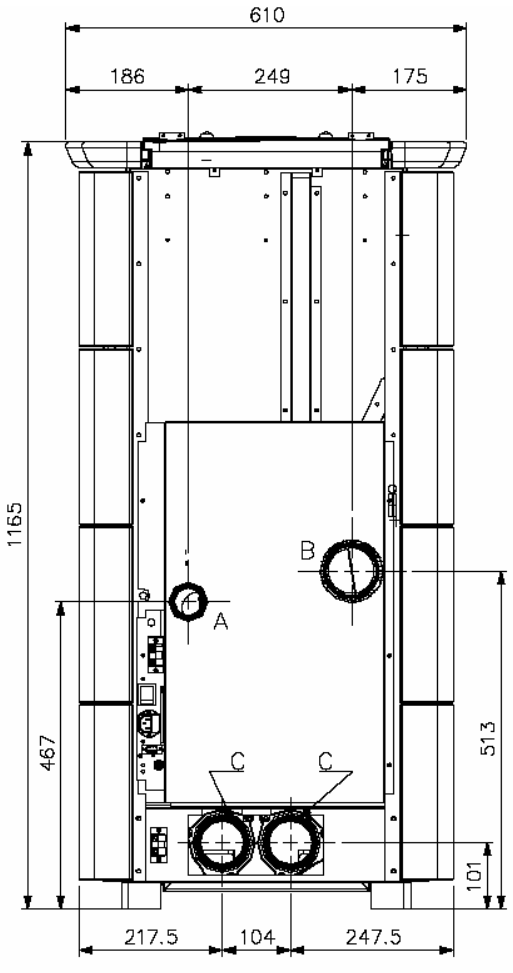
		Divina	Divina Plus
Height	mm	1150	1150
Width	mm	610	610
Depth	mm	576	576
Weight	kg	200	200
Exhaust pipe diameter	mm	80	80
Max. heating volume	m³	220	220
Total power (heating power)	kW/h	3.0 - 11.0	3.0 - 11.0
Water heating power	kW/h	/	/
Pellet consumption per hour	kg/h	0.8 - 2.4	0.8 - 2.4
Absorbed electrical power	W	25 - 100	25 - 170
Lighting power	W	+280	+280
Power supply	V, Hz	230, 50	230, 50
Hopper capacity	kg	~30	~30
Water in/out pipe diameter	"	/	/

All data are indicative and not binding. The manufacturer reserves the right to make technical modifications for improving the product.

Divina



Divina Plus



		Falò 1XLP	Falò 1CP	Falò 2CP
Height	mm	1522	1522	1522
Width	mm	950	1800	1800
Depth	mm	800	800	800
Weight	kg	373	373	373
Exhaust pipe diameter	mm	80	80	80
Max. heating volume	m³	180	180	180
Total power (heating power)	kW/h	3.0 - 9.4	3.0 - 9.4	3.0 - 9.4
Water heating power	kW/h	/	/	/
Pellet consumption per hour	kg/h	0.8 - 2.0	0.8 - 2.0	0.8 - 2.0
Absorbed electrical power	W	25 - 100	25 - 100	25 - 100
Lighting power	W	+280	+280	+280
Power supply	V, Hz	230, 50	230, 50	230, 50
Hopper capacity	kg	~32	~32	~32
Water in/out pipe diameter	"	/	/	/

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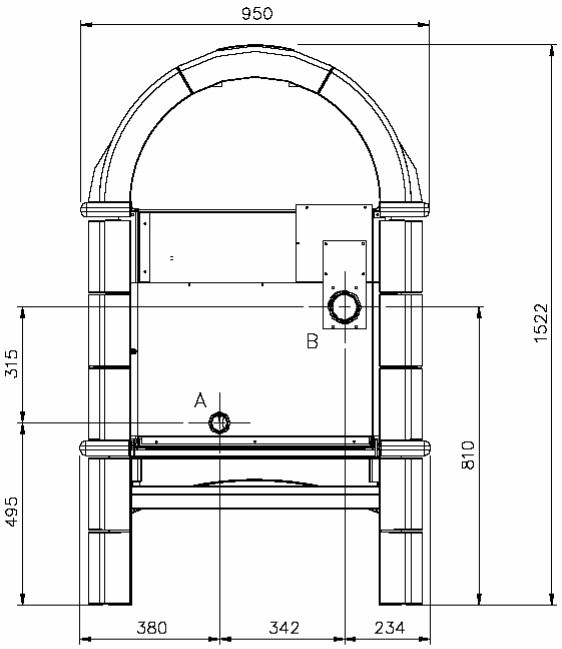
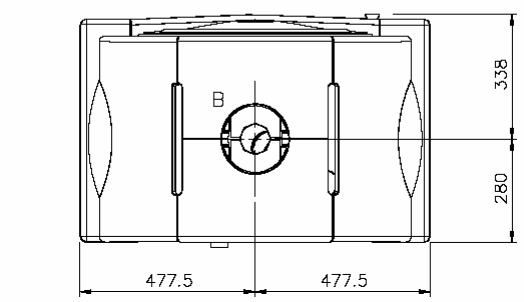
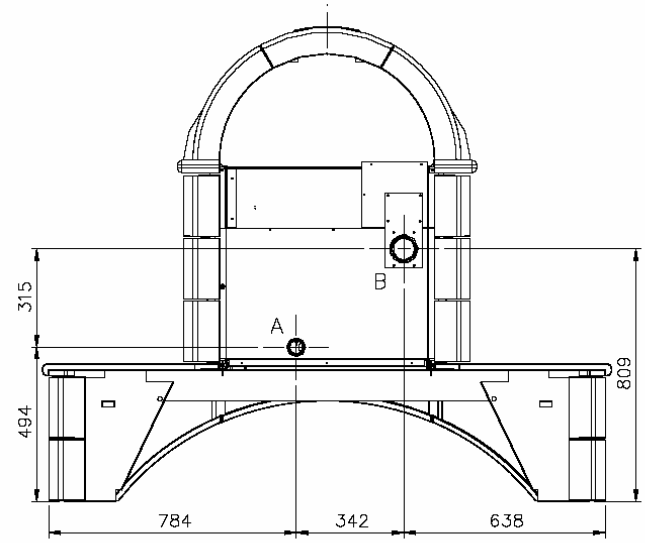
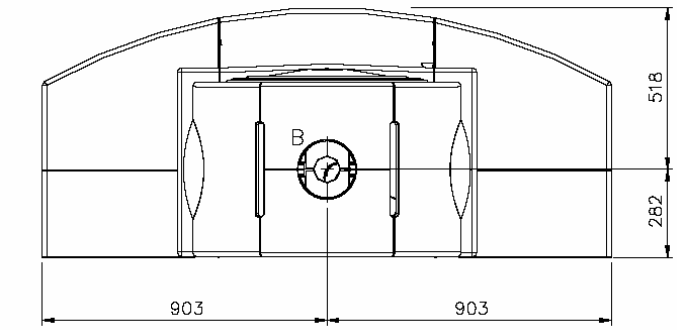
Falò 1XLP





Falò 1CP e Falò 2CP





3. WHAT ARE PELLETS?

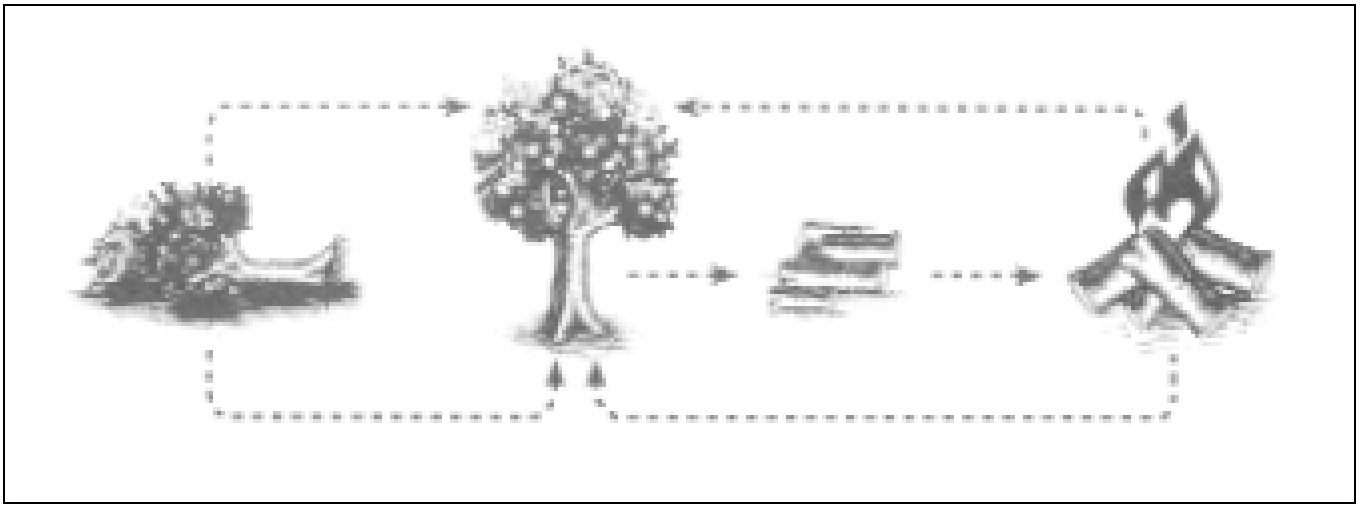
Pellets are made by applying very high pressure to sawdust; i.e. the residue of raw timber (without paint) produced by sawmills, carpentry works and other activities involved in processing wood.
This type of fuel is completely environmentally friendly, as no binders of any kind are used to keep it compact. In fact, the compactness of the pellets over time is guaranteed by lignite, a natural substance found in the wood itself.
As well as being an environmentally friendly fuel, since wood residues are exploited to the maximum, pellets also have technical advantages.
While the heating power of wood is 4.4 kW**/**kg (with 15% humidity, after about 18 months seasoning), the power of pellets is 5.3 kW/kg.
The density of the pellet is 650kg/m^3 and the water content is 8% of its weight. For this reason, pellets do not need to be seasoned to obtain a sufficient heating yield.
Pellet diameters range from a minimum of 5 mm to a maximum of 8 mm, though Extraflame recommends using 6 mm pellets.

3.1 Pellet storage

To guarantee problem-free combustion, the pellets must be stored in a dry place.

WARNING

THE USE OF POOR QUALITY PELLETS OR ANY OTHER MATERIAL MAY DAMAGE THE YOUR STOVE AND MAY LEAD TO THE INVALIDATION OF THE WARRANTY
AND THE RELATED RESPONSIBILITIES
OF THE MANUFACTURER.



4. SAFETY DEVICES

4.1 Warm air blower breakdown
If the blower stops for any reason, the stove automatically shuts down to prevent overheating.

4.2 Fume exhauster breakdown
If the exhauster stops, the electronic unit immediately prevents pellet feeding.

4.3 Pellet feed motor breakdown
If the motor stops, the stove continues to operate until the minimum cooling level is reached.

4.4 Lighting failure
If no flame develops during the lighting stage, the stove display shows " NO ACC"**.** If you attempt to light the stove again, the display shows "ATTE" which means "WAIT". **This function reminds you that before lighting the stove, you must be sure that the burn pot is free of dirt and debris.**

4.5 Temporary power failure
The appliance will re-light automatically after a brief power failure. When the power goes off, the stove may emit a minute quantity of smoke inside the house for a period of 3 to 5 minutes.
THIS DOES NOT POSE ANY SAFETY RISK.

4.6 Electrical safety
The stove is protected against violent power swings by a master fuse on the rear of the stove (2A 250V delayed).

4.7 Exhaust fume safety
If the exhaust system fails, an electronic pressure switch stops the stove and an alarm is signalled.

4.8 Pellet overheating safety
In case of overheating inside the pellet hopper, this safety device blocks stove operation; resetting is manual and must be performed by an authorized technician.

5. ASSEMBLY AND INSTALLATION INSTRUCTIONS

The installation must comply with:
UNI 10683 (2005) heat generators fed with wood and other solid fuels: installation.
The chimneys must comply with:
UNI 9731 (1990) chimneys: classification according to thermal resistance.
UNI 9615 (1995) calculation of the internal dimensions of the chimneys with single connection.
UNI 7129 point 4.3.3 provisions, local rules and prescriptions of the fire brigade.
UNI 1443 (2005) chimneys: general requirements.
UNI 1457 (2004) chimneys: internal ducts in terracotta and ceramics.

5.1 Glossary

CLOSED HEARTH DEVICE
Heat generator that can only be opened to load fuel during use.

BIOMASS
Material of organic origin, excluding the material incorporated in geological formations and fossilised.

BIOFUEL
Fuel produced directly or indirectly from biomass.

FLUE or CHIMNEY
Vertical duct for collecting and expelling combustion products from a single appliance at a suitable height from the floor.

EXHAUST CHANNEL OR PIPE
Duct or connecting element between the heat generating device and the chimney for extracting the combustion products.

INSULATION
The series of measures taken and materials used to prevent heat transmission through a wall dividing rooms at different temperatures.

CHIMNEY CAP
Device located at the top of the chimney that facilitates dispersion of the combustion products in the atmosphere.

CONDENSATE
Liquid products that form when the temperature of the combustion gas is lower than or equal to the dew point of the water.

HEAT GENERATOR
Device that permits the production of thermal energy (heat) by the rapid transformation of the chemical energy of the fuel by means of combustion.

AIR LOCK
Mechanism for modifying the dynamic resistance of the combustion gasses.

EXHAUST VENTING SYSTEM
A system for fume exhaust venting that is independent from the appliance, composed of a pipe or channel, chimney or single flue, and chimney cap.

FORCED DRAUGHT
Air circulation by means of a fan driven by an electric motor.

NATURAL DRAUGHT
Draught resulting in a chimney/flue due to the difference in the volume mass existing between the (hot) fumes and the surrounding atmospheric air, without any mechanical suction aid installed inside or on top of it.

RADIANCE AREA
Area immediately adjacent to the hearth in which the heat produced by combustion is diffused; this area must not contain any objects made of combustible material.

REFLUX AREA
Area in which the combustion products come out from the appliance towards the room in which it is installed.

5.2 Installation

Before carrying out installation, it is necessary to check the positioning of the chimneys, flues or exhaust terminal ducts of the appliance, keeping in mind the following:

- Installation prohibitions
- Legal clearances
- Limitations set forth by local administrative regulations or specific regulations of the authorities.
- Common limitations deriving from building regulations, and easement or contract regulations.

Admissible installations

In the room in which the heat generator is to be installed, any existing or installed appliances must be airtight to the room and must not cause depression in the room with respect to the external environment.
Appliances used for cooking foods and the related hoods without extractor can only be installed in rooms used as kitchens.

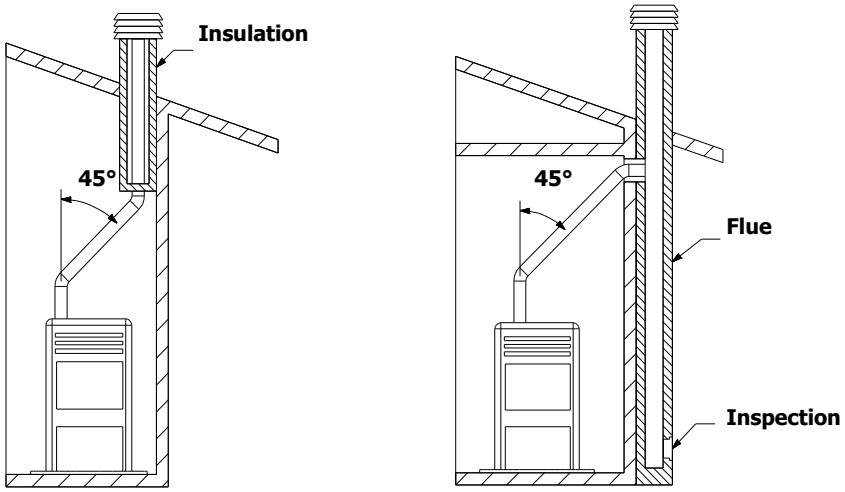
Prohibited installations

The room in which the heat generator is to be installed must not contain any of the following devices, either pre-existing or installed:
- Hoods with or without extractor;
- Ventilation ducts of the collective type.
Should these devices be located in adjacent rooms communicating with the installation room, it is forbidden to use the heat generator simultaneously where there is the risk that one of the two rooms may be subject to depression with respect to the other.

5.2.1 Connection to the exhaust venting system

Exhaust channel or pipe

For the assembly of the exhaust channels it is imperative to use non-flammable materials that are resistant to combustion products and any condensates.
It is forbidden to use flexible metal pipes and asbestos cement for connecting the stove to the flue, also for pre-existing exhaust channels.
There must be continuity between the exhaust channel and the flue so that the flue does not lean on the stove.
The exhaust channels must not pass through rooms in which the installation of combustion devices is forbidden.
The assembly of the exhaust channels must be carried out in such a way as to ensure that they are airtight for the operating conditions of the appliance, as well as to limit the formation of condensates and prevent them from being conveyed towards the appliance.
The assembly of horizontal sections must be avoided where possible.
Where roof or wall exhaust outlets have to be reached that are not coaxial in relation to the exhaust outlet from the appliance, the direction changes must be made using open elbows no greater than 45° (see figures below).



For heat generating devices equipped with an electric exhaust fan, i.e. all products made by Extraflame, it is necessary to observe the following instructions:

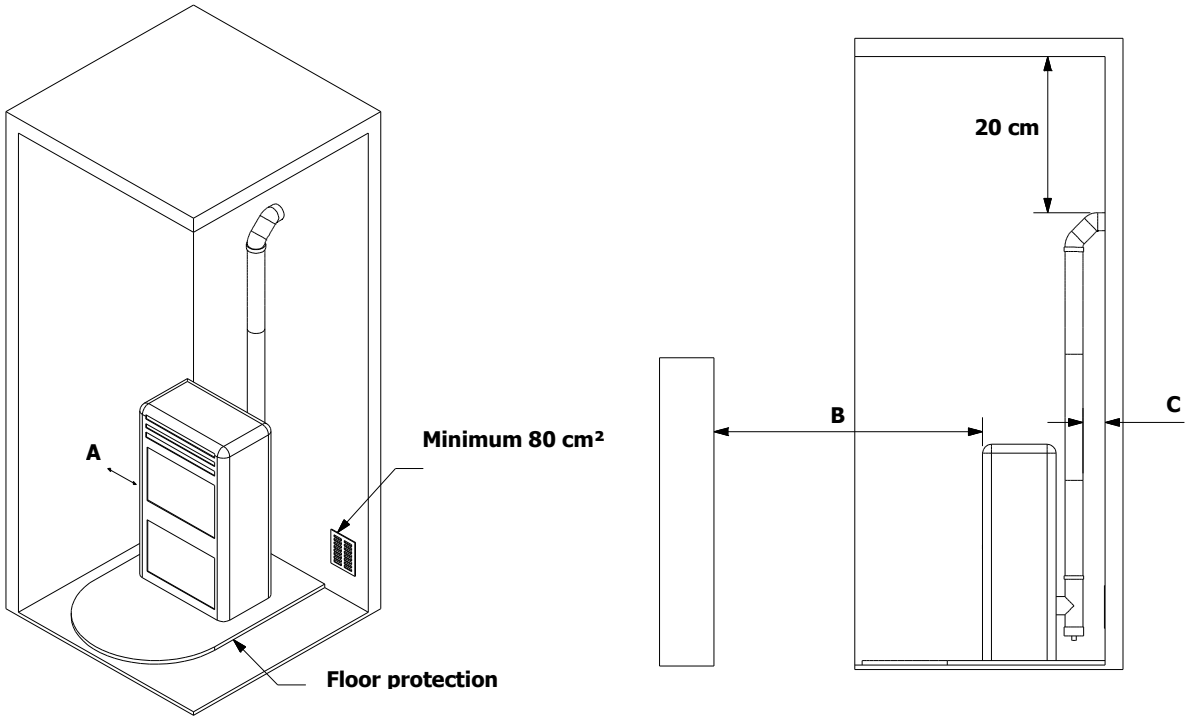
- Horizontal sections must have a minimum slope of 3% upwards.
- The length of the horizontal section must be as short as possible, and in any case no greater than 3 meters.
- No more than four direction changes may be used, including the one resulting from the use of the "T"-element. (When four bends are used, use double wall piping with a 100 mm diameter.)

In any case, exhaust channels must be sealed in relation to combustion products and condensates, as well as insulated, if they pass outside the installation room.
It is forbidden to use elements in counter-slope.
The exhaust channel must allow soot recovery and cleaning using a swab.
The exhaust channel must have a constant cross-section. Any changes in cross-section are allowed only at the flue connection.

It is forbidden to run other air feed channels or piping for utilities inside the exhaust channels, even if they are oversized. It is also forbidden to fit manual draught adjustment devices on the forced draught appliance.

5.2.2 Chimney or single flue

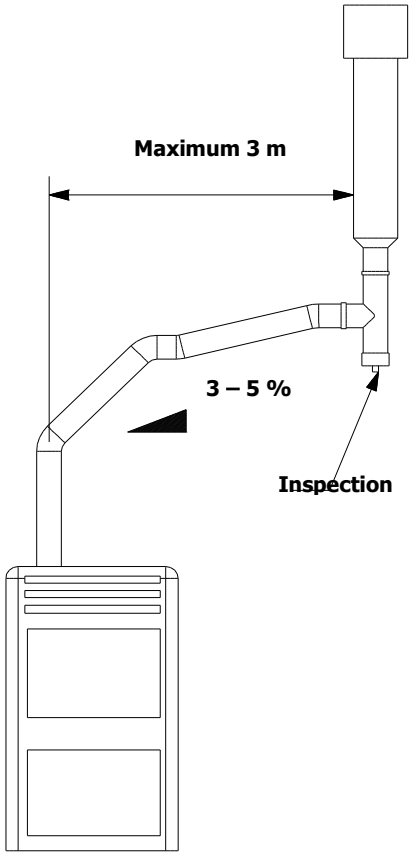
The chimney or flue must meet the following requirements:
- be airtight to combustion products, waterproof and properly insulated according to the usage conditions;
- be made of materials suitable to resist normal mechanical stress, as well as heat and the action of combustion products and any condensates;
- have a predominantly vertical layout with deviations from the axis no greater than 45°;
- be situated at a proper distance from combustible or flammable materials by means of an air gap or suitable insulation material;

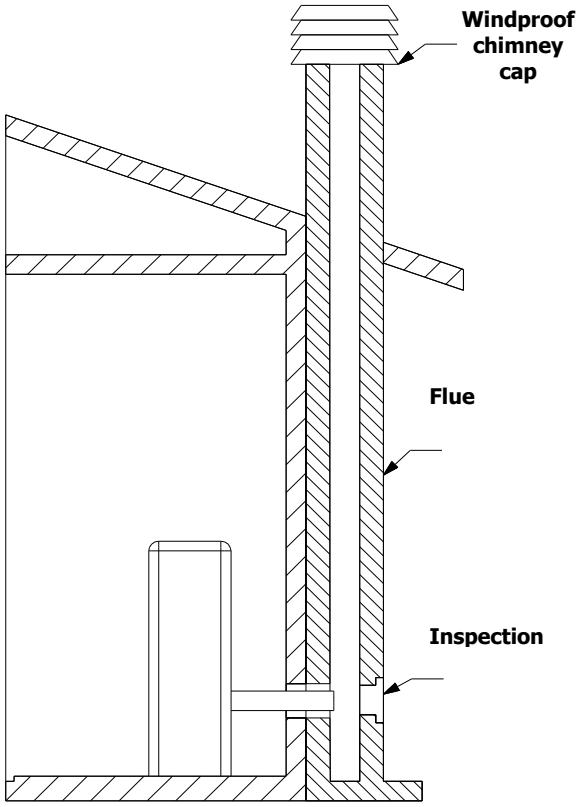


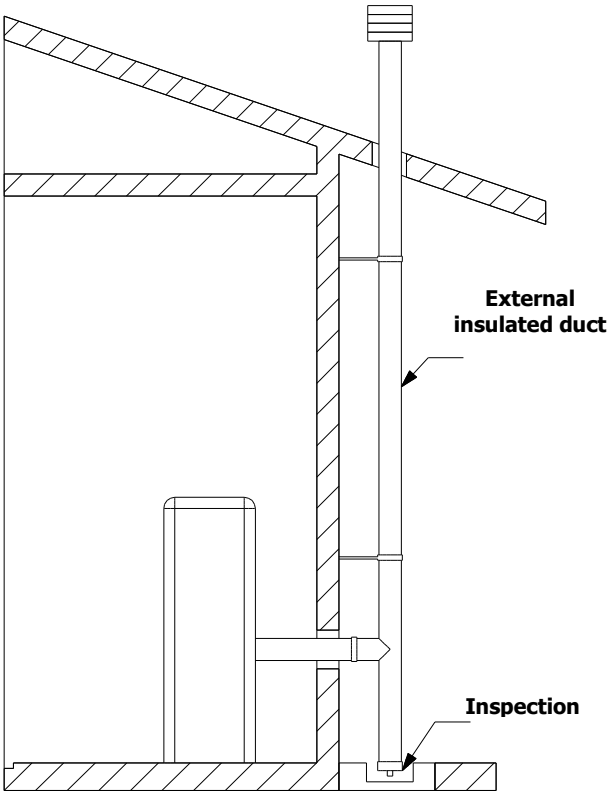
REFERENCES	Flammable objects	Non-flammable objects
A	200	100
B	1500	750
C	200	100

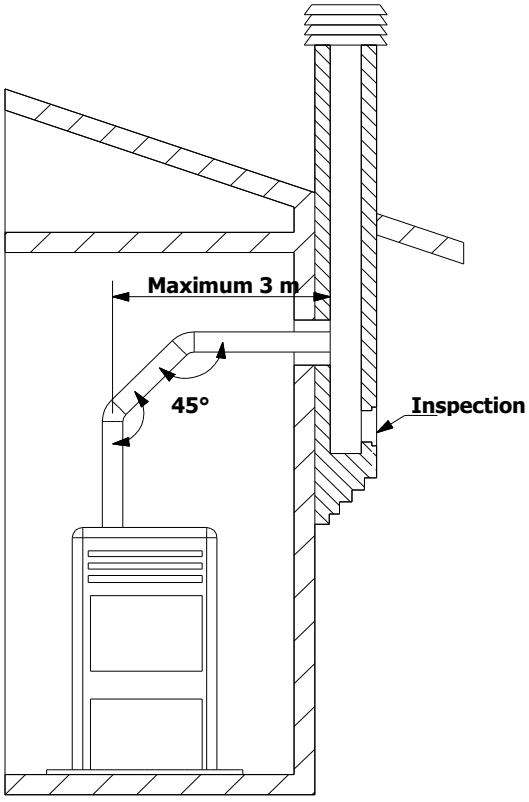
- preferably have a round internal section: square or rectangular sections must have rounded edges with radius no less than 20 mm;
- have a constant, free and independent internal section;
- have rectangular sections with a maximum ratio between sides of 1.5.

The exhaust duct should be equipped with a chamber for the collection of solid materials and any condensates located below the mouth of the exhaust channel, so that it is easy to open and inspect from the airtight hatch.


Maximum 3 m
3 – 5 %
Inspection


Windproof
chimney
cap
Flue
Inspection


External
insulated duct
Inspection


Maximum 3 m
45°
Inspection

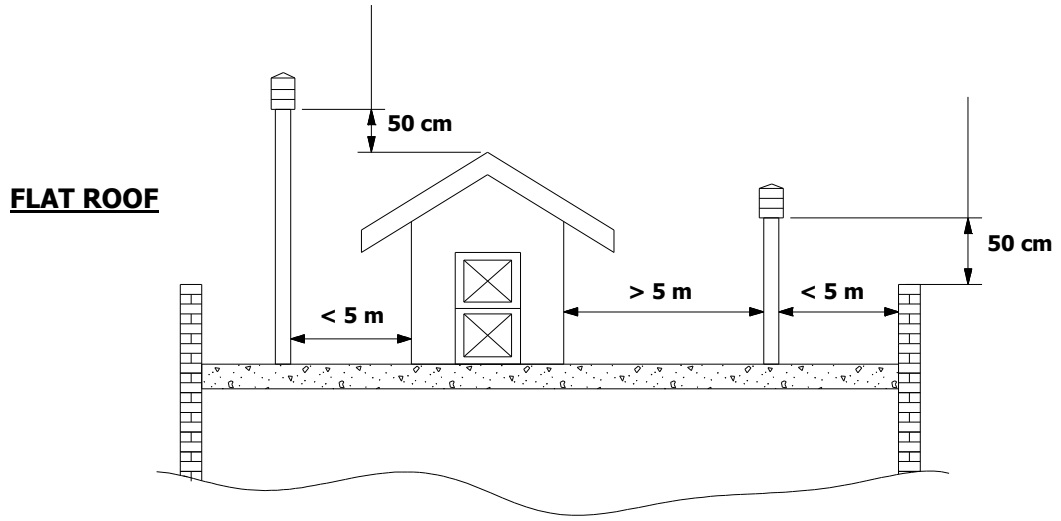
5.2.3 Connection to the flue and combustion product exhaust venting

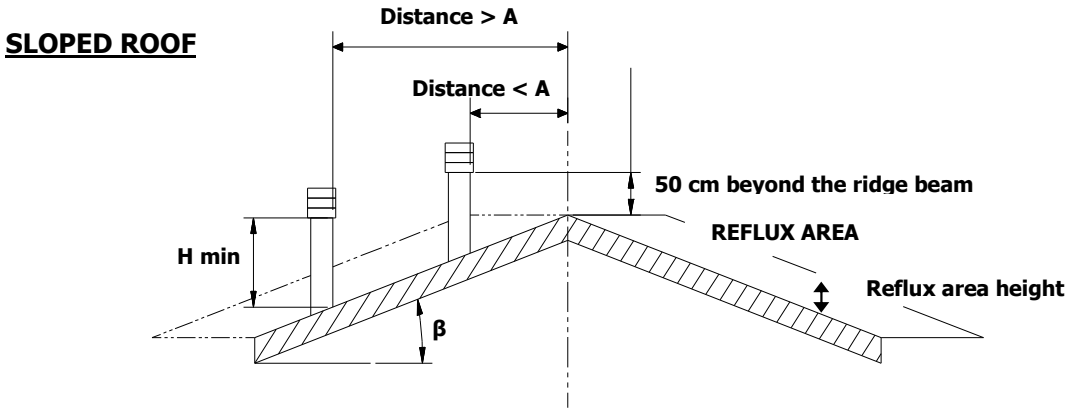
The connection between the appliance and the flue must only receive the discharge from a single heat generator.
Direct discharge towards enclosed areas, even when roofless, is forbidden.
Direct discharge of combustion products must take place on the roof and the exhaust duct must have the features set forth in the section *"Chimney or single flue"*.

5.2.4 Chimney cap

The chimney cap must meet the following requirements:
- have an internal section equivalent to that of the chimney;
- have a useful outlet section no less than twice the internal section of the chimney;
- be constructed in such a way as to prevent the penetration of rain, snow and foreign bodies into the chimney, as well as to assure the discharge of the combustion products also in the presence of winds coming from any direction and at any angle.
- be positioned in such a way as to assure proper dispersion and dilution of the combustion products and, in any case, outside the reflux area in which the formation of counter-pressure is most likely to occur. This area has different sizes and shapes depending on the slope of the roof; therefore, it is necessary to use the minimum heights indicated in the figures below.

The chimney cap must not have any mechanical suction devices.





Roof slope β [°]	Horizontal width of the reflux area from the axis of the ridge beam A [m]	Minimum height of the outlet from the roof H min = Z + 50 cm [m]	Reflux area height Z [m]
15	1.85	1.00	0.50
30	1.50	1.30	0.80
45	1.30	2.00	1.50
60	1.20	2.60	2.10

5.2.5 Connection to external air intakes

To ensure correct operation, the appliance must have sufficient air available by means of external air intakes, which must meet the following requirements:
a) They must have a total free section of at least 80 cm^2.
b) They must be protected by a grate, metal mesh, or other suitable protection provided that it does not reduce the minimum section as per point a) and that it is positioned in such a way as to prevent the intakes from being obstructed.
If the combustion air is collected directly from the outside by means of a pipe, it is necessary to fit a downward bend or a wind hood on the outside. In addition, no grating or similar device should be positioned. (Extraflame S.p.A. suggests creating an air intake directly communicating with the installation room, even if air is collected from outside by means of a pipe).
Air inflow can also be obtained from a room adjacent to the installation room, provided that the flow can occur freely through permanent openings communicating with the outside.
The adjacent room must not be subject to depression with respect to the outside as a result of the opposing draught caused by the presence of another utility device or suction device in this room.
In the adjacent room, the permanent openings must meet the requirements described above.
The adjacent room cannot be used as a garage, storage area for combustible material, or for activities involving fire hazards.

5.2.6 Insulation, trims, facings, and safety precautions

The facings, no matter what type of material they are made of, must constitute a self-bearing structure with reference to the heating assembly and not in contact with it.
The beam and the trims in wood or combustible materials must be positioned outside of the radiant area of the hearth or be properly insulated.
If the space above the heat generator has coverings made of combustible or heat-sensitive material, a protective membrane made of non-combustible insulating material must be placed between it and the generator.
All elements made of combustible or flammable material, such as wooden furnishings, curtains, etc., that are directly exposed to the radiance of the hearth must be placed at a safe distance.

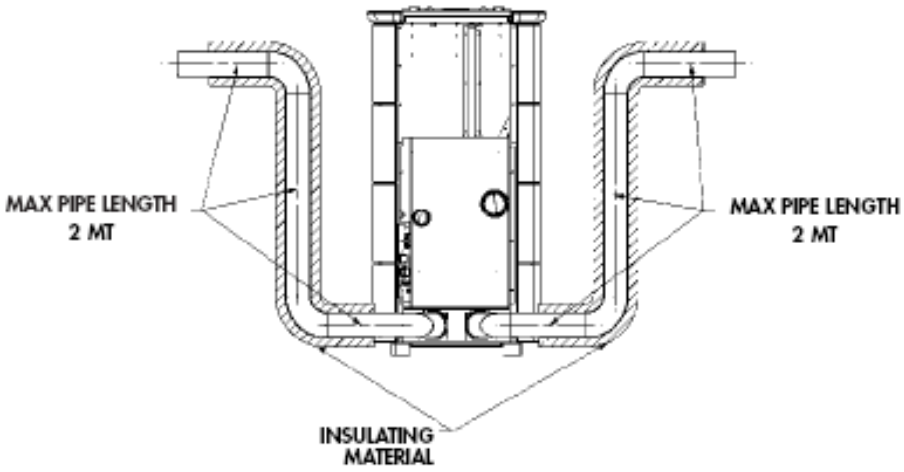
5.2.7 National, regional, provincial and municipal laws

All the national, regional, provincial ad municipal laws of the country where the appliance has been installed must be taken into consideration.

5.3 Divina Plus distributed heating

The DIVINA PLUS model is equipped with two pipe outlets situated on the back of the stove that allow the heat produced by the stove to be distributed to other rooms. For this purpose, as you can see in the photo below, we recommend using pipes with the following characteristics:

- Internal diameter 80 mm
- Insulated pipes (thermal insulation)
- The pipe length connected to each opening must not be longer than 2 m.



N.B. This model is always and exclusively for distributed heating.

6. MAXI COMFORT INSERT INSTALLATION

The Maxi Comfort insert is supplied with a metal sliding base that enables it to be installed in an existing fireplace.
The base allows you to slide out the insert easily for maintenance and cleaning at the end of the year. If you do not already have a fireplace, you can build one using the insert support pedestal (optional kit), which is designed to secure the insert to the floor.

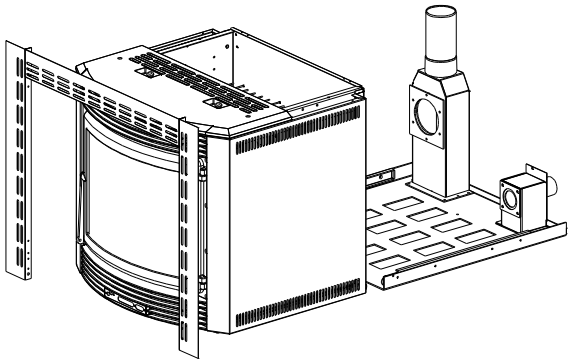


Fig. 1

Description of the components:

- Sliding base
- Guide rails
- Exhaust pipe
- Primary air intake pipe
- Power outlet
- Adapter frame

Fitting with sliding base

Take the sliding base and place it in the existing fireplace.
Using chalk, mark the base fixing holes on the floor of the fireplace.
Drill the holes for 8 mm steel screw anchors.
Drill a 60 mm hole in correspondence with the air intake.
N.B. The air intake must be made outside the fireplace, because it must not draw in overheated air.

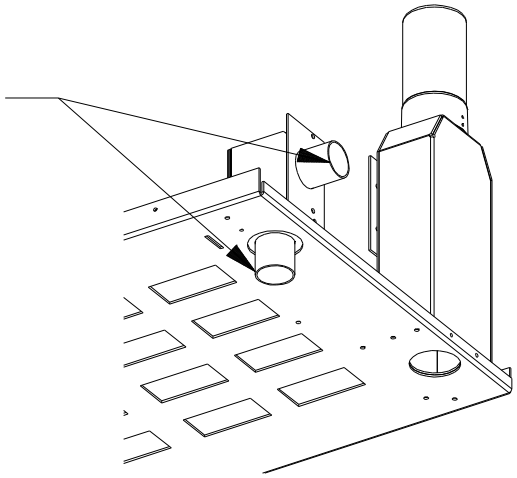


Fig. 2

Provide a power outlet on the rear of the insert, so that the plug can be reached easily once the installation is complete.
Fix the base using the attachment screws.
Make the connection to the exhaust outlet and air intake, following the instructions previously described.
Then tilt the insert so that the wheels fit into the guide rails and slide it in until the exhaust auger coupling is completely inserted in the exhaust conveyor box.

Use the socket wrench provided to turn the screw anticlockwise.

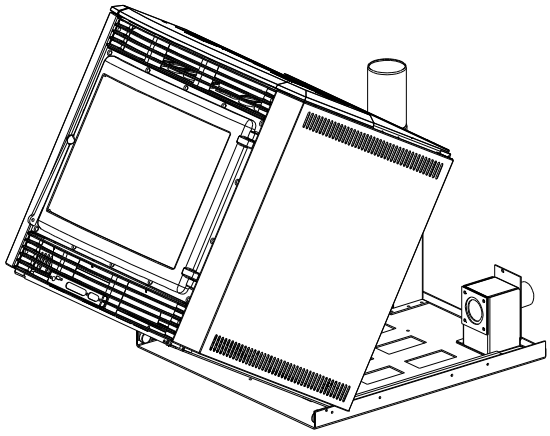


Fig. 3

To check that the insert is correctly coupled with the base, connect the plug to the power outlet: the display should light up.

N.B. The bottom grill of the insert must stand at least 1 cm above the marble fire top of the facing.

Installation with pedestal (optional)

Description of components:

- Maxi Comfort insert
- Pedestal adjustable in height
- Side feeding hopper
- Adjustable hopper support

Installation with pedestal

Position the base in the desired point and adjust to the desired height using the feet (the bolts are located on the four outer edges of the pedestal at the bottom).
Provide a power outlet on the rear of the pedestal that will be easy to reach once the installation is complete.
Fix the pedestal to the floor using strong steel screw anchors 8 mm diameter.
Fix the sliding base to the frame using the bolts.
Connect the exhaust outlet and air intake as described in the previous section.
Then tilt the insert so that the wheels fit into the guide rails, slide it until the exhaust auger coupling is completely inserted in the exhaust conveyor box.
Then use the socket wrench provided to turn the screw anticlockwise.
To check that the insert is correctly coupled with the base, connect the plug to the power outlet: the display should light up.
Fit the hopper support as shown in Fig. 10.
Insert the support in the coupling provided.
N.B.: When using our pedestal, it is necessary to create an inspection window in the chimney that allows you to check the pellet level in the hopper while filling it.

N.B. The hopper support can be fitted on either side of the Maxi Comfort insert.

Adjust the height and angle of the hopper according to the fireplace to be built.

N.B. The bottom grill of the insert must stand at least 1 cm above the marble fire top of the facing.

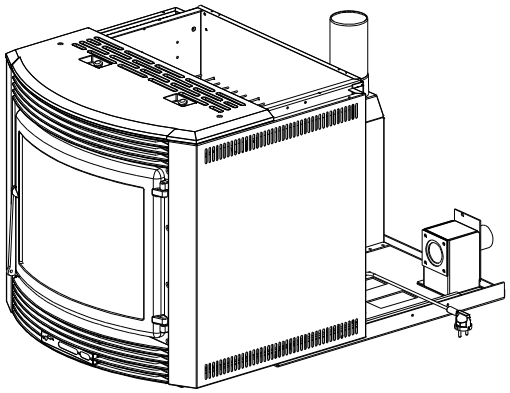


Fig. 4

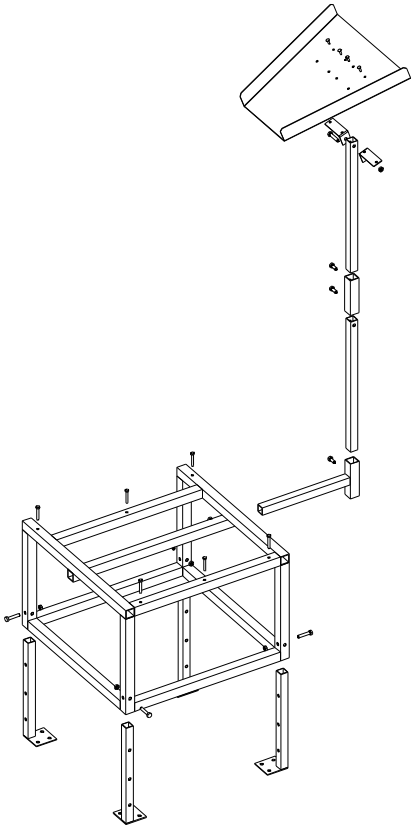


Fig. 5

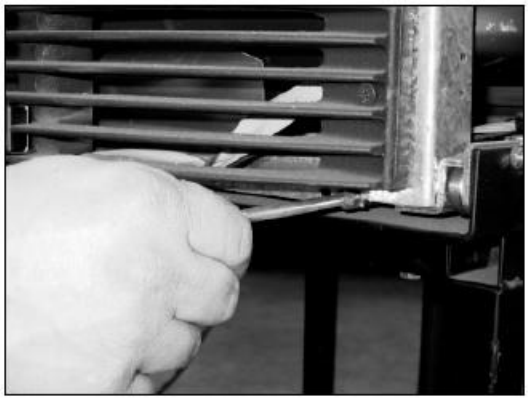


Fig. 6

Extracting the insert

The Comfort insert has to be extracted to carry out routine maintenance (cleaning the ash pipe at the end of the year) or special servicing (replacing mechanical parts in the event of damage).

N.B. These operations must be carried out by an authorized technician, with the stove switched off and the plug disconnected.

To extract the insert, proceed as follows:

1. Insert the socket wrench provided on the screw at bottom right.
2. Turn the wrench clockwise.
3. Using the pokers provided, pull the insert towards you until it blocks automatically.

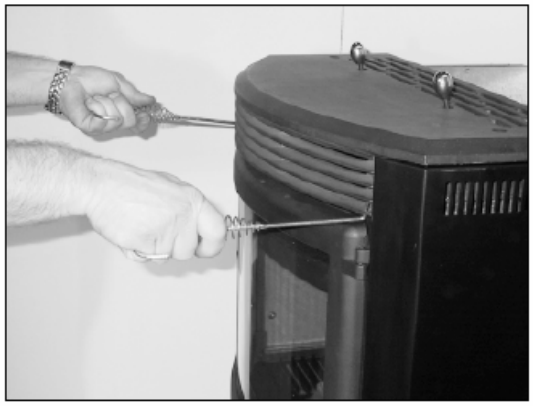


Fig. 7

Fitting the frames

- Front frame
- Side frames

Attach the front frame to the two side frames.
Fix the frames to the Comfort insert using self-tapping screws.
N.B. Any wooden beams situated above the insert must be protected using fireproofing material.
Frame assembly is important, as it allows correct air circulation in the insert and consequently the most efficient stove operation.

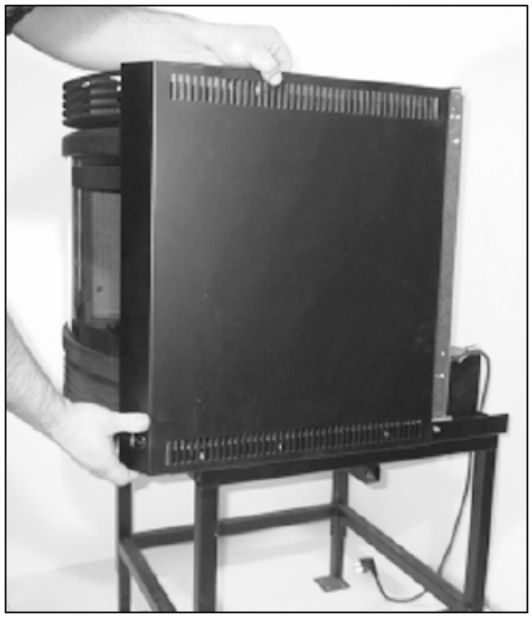


Fig. 8

Air circulation ducts

To ensure correct operation, it is necessary to create air intakes at the top of the fireplace.
These can be made in the sides of the hood or on the front.
The following measurements must be respected:
Air intakes made on both sides of the fireplace: **Minimum measurement required 200 cm^2 per side.**
Air intake made on the front of the fireplace: **Minimum measurement required 400 cm^2 per side.**
For fresh air intake, it is very important to make one or more holes on the lower or side part of the facing.
N.B. This ventilation system is completely independent from the combustion air intake!!
These air circulation points must have a **minimum area of 750 cm².**

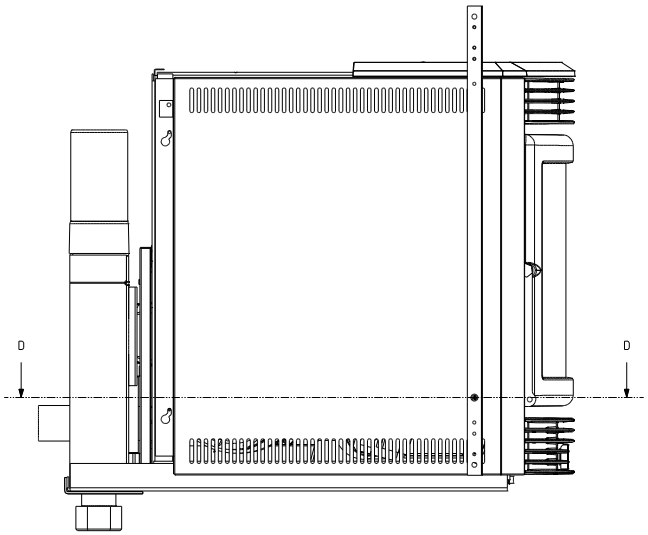
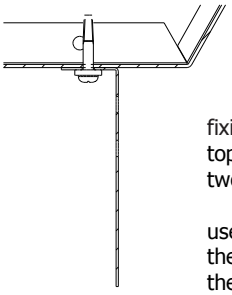


Fig. 9



fixing side surrounds with top surround by means of two screws per side

use these holes for fixing the side surrounds onto the sides

SECTION D-D

Fig. 10

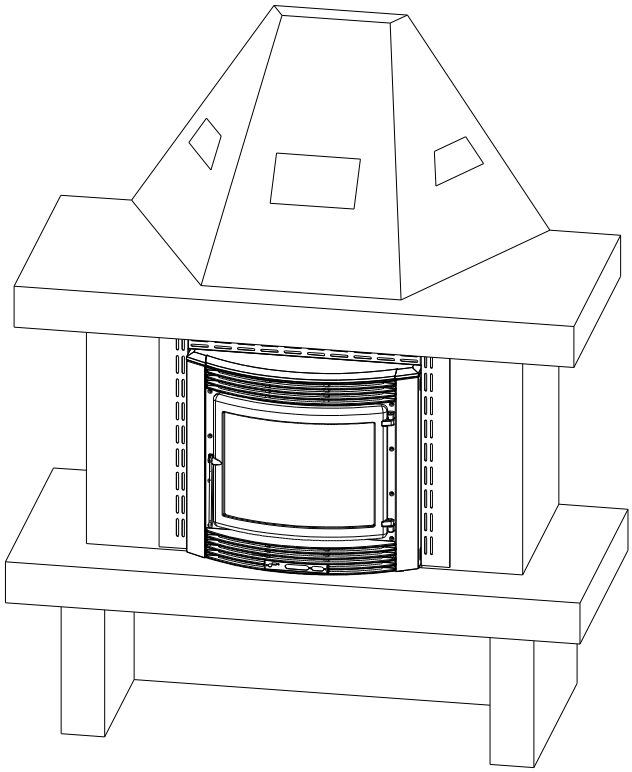
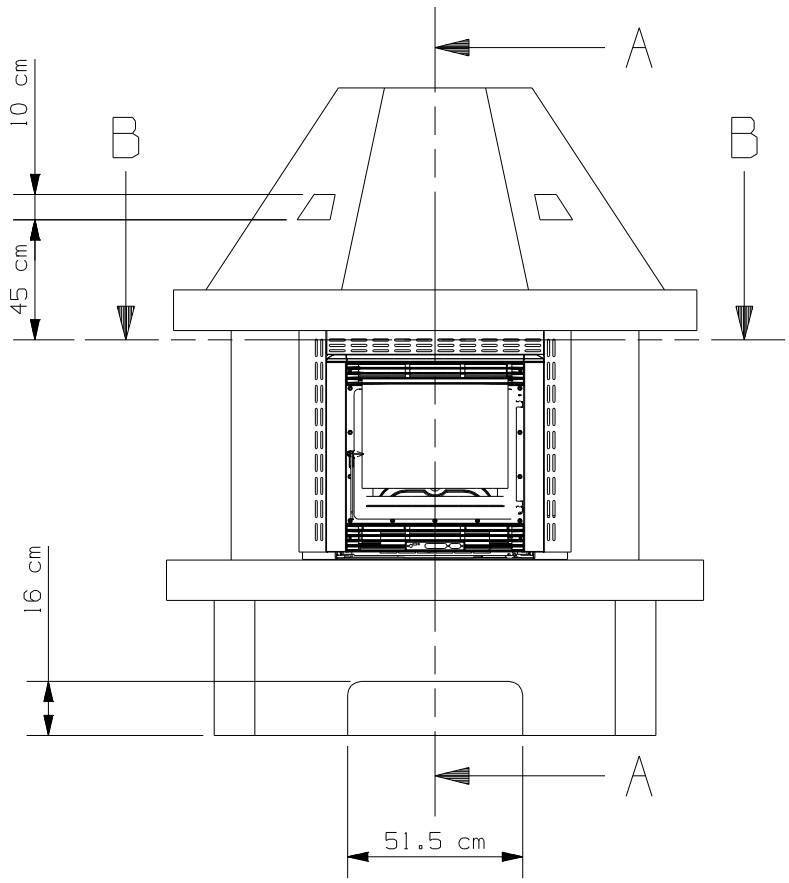
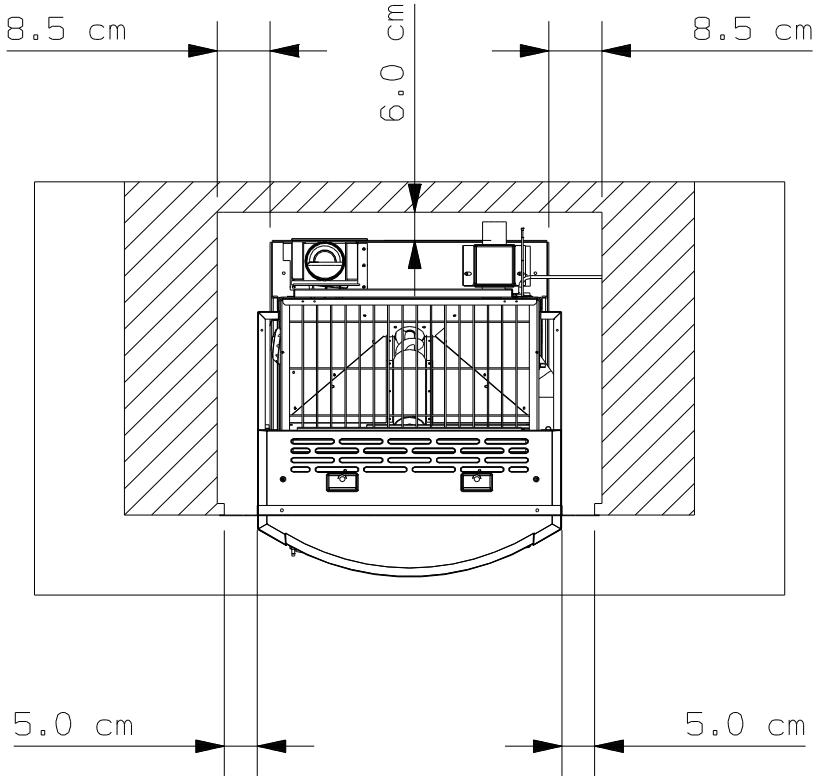
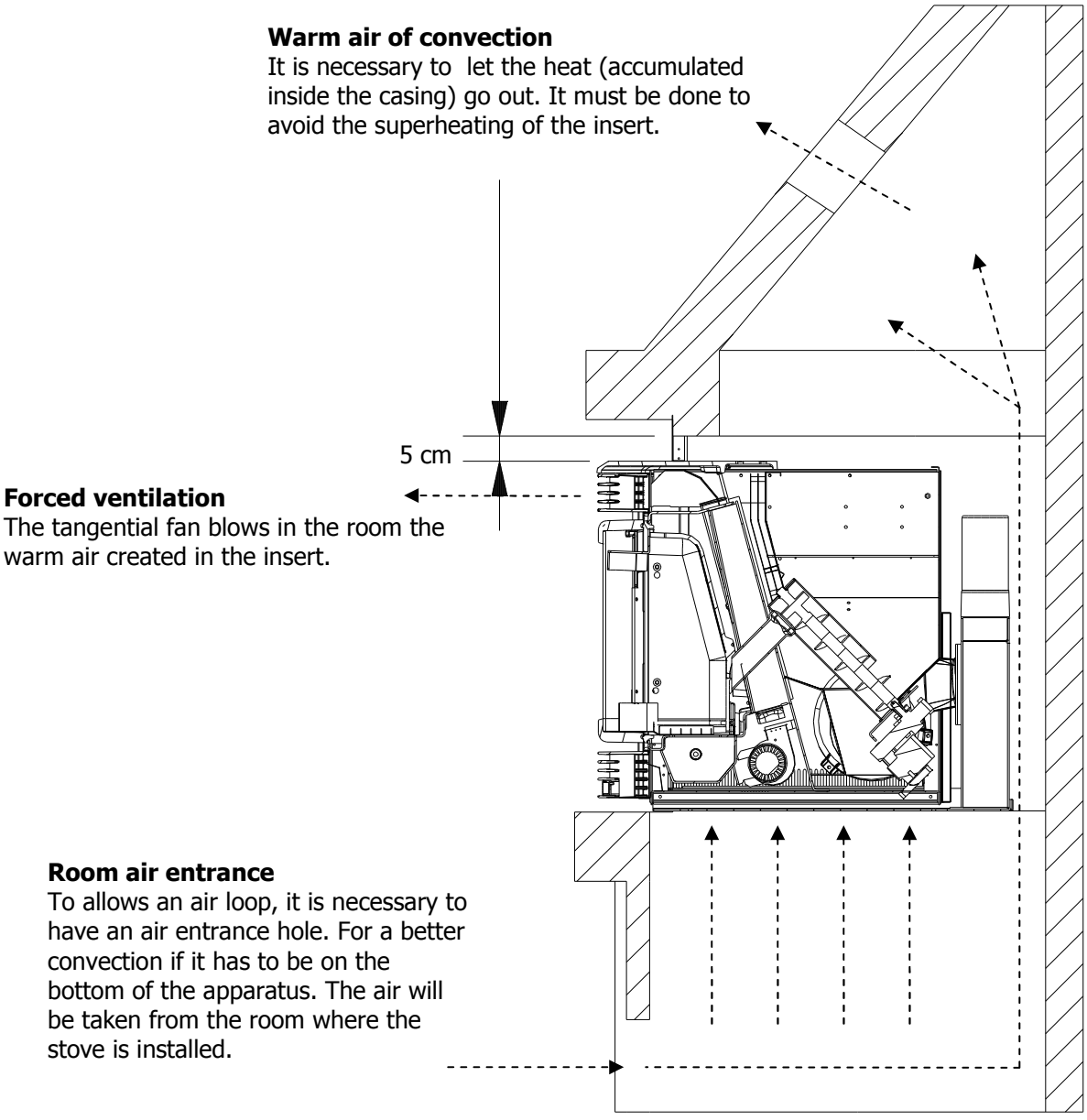


Fig. 11

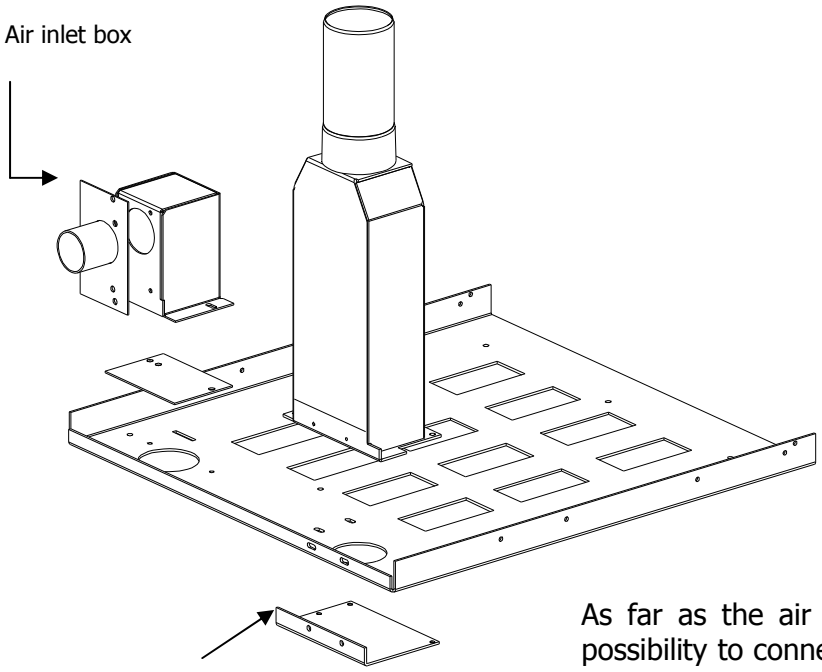

A
B
B
10 cm
45 cm
16 cm
A
51.5 cm


8.5 cm
6.0 cm
8.5 cm
5.0 cm
5.0 cm


Warm air of convection
It is necessary to let the heat (accumulated inside the casing) go out. It must be done to avoid the superheating of the insert.
5 cm
Forced ventilation
The tangential fan blows in the room the warm air created in the insert.
Room air entrance
To allows an air loop, it is necessary to have an air entrance hole. For a better convection if it has to be on the bottom of the apparatus. The air will be taken from the room where the stove is installed.

To ensure the correct and safe operation of the Comfort insert, when building the fireplace it is necessary to respect the clearances between the insert and the inner walls of the fireplace.
Considering the measurements given in the technical specifications, you need to account for at least 50 mm of air space in the upper part and on the two sides.

NB: The exhaust outlet pipe must always be at a minimum distance of 5 cm from inflammable parts.

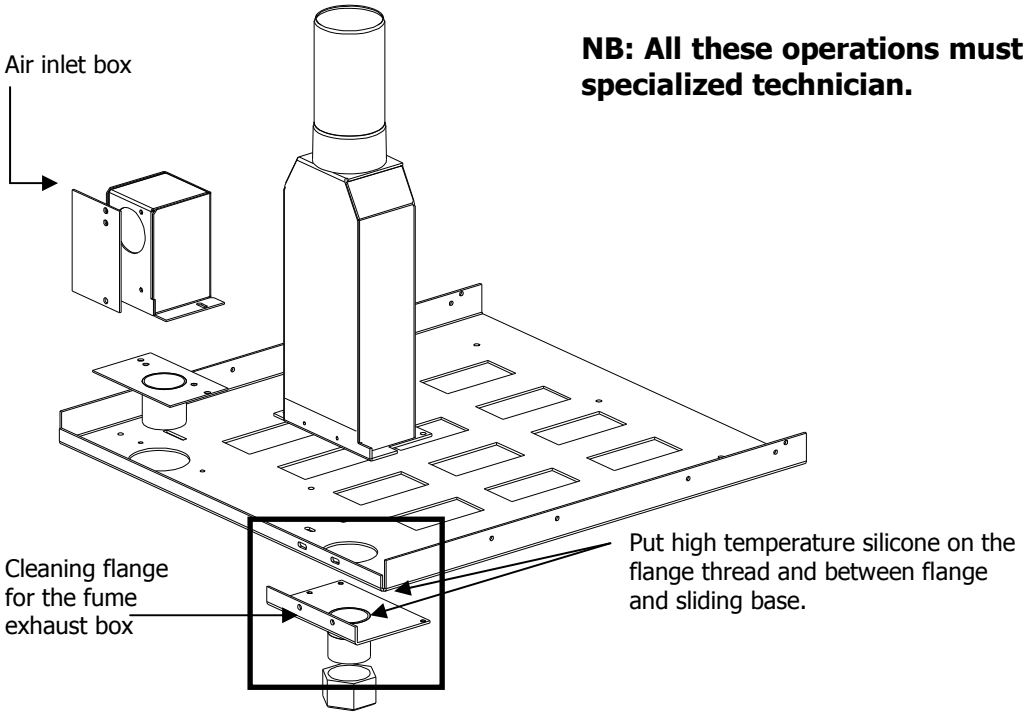


Covering top for fumes exhaust box

As far as the air inlet box is concerned, there is the possibility to connect the air inlet pipe above the sliding base (see pic.14) or under it (see pic.15) depending on the needs.
The fumes exhaust box is normally delivered with the relative covering top.

For the annual cleaning of the stove, we suggest to fix the equipped flange to a suction pipe in order to make the cleaning easier. (see pic.15).

NB: All these operations must be carried out by a specialized technician.

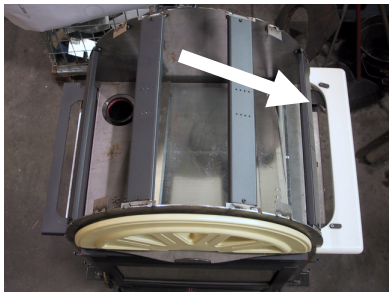

Air inlet box
Cleaning flange for the fume exhaust box
Put high temperature silicone on the flange thread and between flange and sliding base.

7. FALO’ 1XLP, FALO’ 1CP and FALO’ 2CP

As you can see in the photograph below, our FALO’ 1XLP, FALO’ 1CP and FALO’ 2CP models are provided with a convenient drawer for pellet feeding, so there is no need to disassemble any part of the stove to refill the pellets.

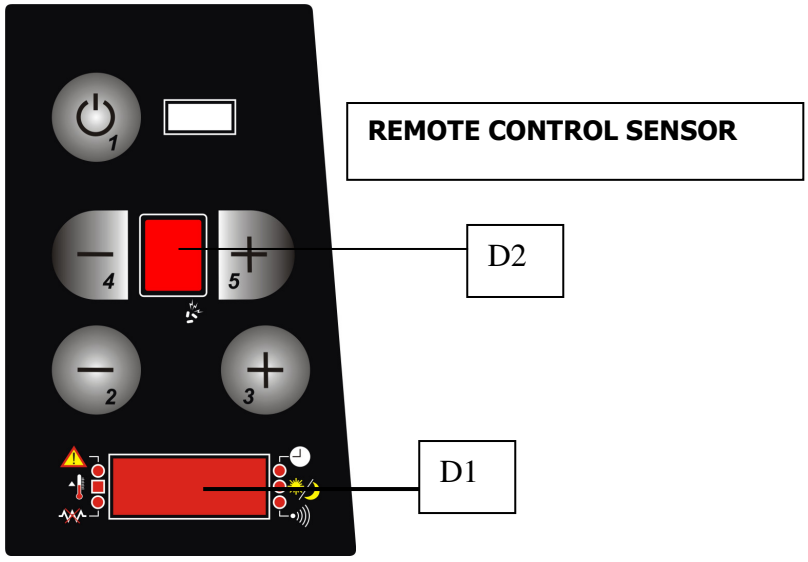
In the FALO’ 1XLP, FALO’ 1CP and FALO’ 2CP models the position of certain parts has been changed to make access easier.
As you can see in the photographs, these parts are:

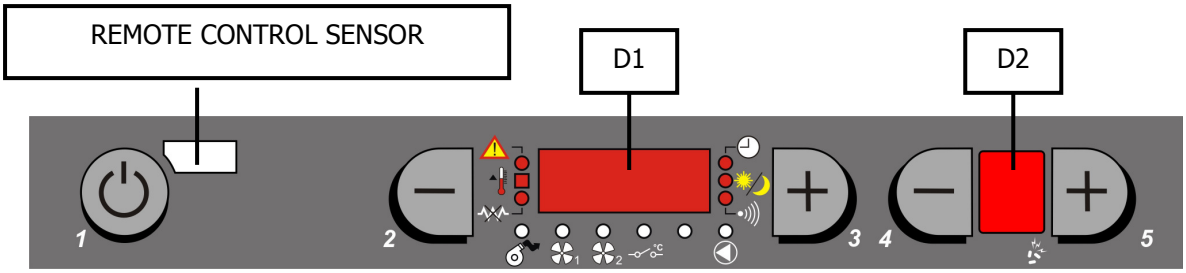
- bipolar switch
- thermostat 85°C
- DB9 connector for serial interface



To access these parts, therefore, you need only open the pellet feeding drawer and the three components will be visible on the inside right.

8. CONTROL PANEL





1 → ON/OFF BUTTON

The stove can be turned on and off automatically by pressing button **1**.

2-3 → AIR TEMPERATURE SETTING

Buttons **2** and **3** are used to adjust the room temperature inside the house.

4-5 → OPERATING POWER

Buttons **4** and **5** are used to adjust the heating power and warm air ventilation:
Ecologica: 3 kW/h up to max. 11 kW/h
Maxi Comfort Insert: 3 kW/h up to max. 9.4 kW/h
Babyfiamma – Preziosa – Isabella: 1.9 kW/h up to max. 5.1 kW/h
Karolina: 1.9 kW/h up to max. 7 kW/h
Divina - **Divina Plus**: 3 kW/h up to max. 11 kW/h
Bella - Bella Lux - Duchessa: 3 kW/h up to max. 8.5 kW/h
Contessa: 3 kW/h up to max. 9.4 kW/h
Falò 1Xlp – Falò 1CP – Falò 2CP: 3 kW/h up to max. 9.4 kW/h

D1 Display for showing the various messages
D2 Display for showing the heat setting

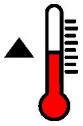
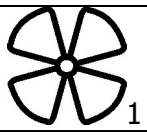
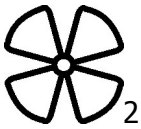
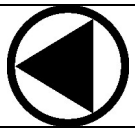
8.1 Table of display messages

INDICATIONS		
Display Message	**Cause**	**Solution**
Atte	An attempt is made to switch on a stove again when it has just been shut down (normal shutdown or caused by an alarm situation).	When the stove has just been shut down (normal shutdown or caused by an alarm situation), you have to wait until it is completely cold and then clean the burn pot. It is possible to re-start the stove only after having carried out this operation.
Hot	Room thermostat set at maximum value.	In this operating mode the stove no longer has a temperature level but is working manually with all 5 power levels. To exit this function, simply lower the room temperature by pressing button 2.
Low	Room thermostat set at minimum value.	In this operating mode, the stove works only at the 1st power level no matter what power is set. To exit this function, simply raise the room temperature by pressing button 3.
T on	An external thermostat has been connected. The room thermostat probe is disconnected. The room thermostat probe is interrupted.	To exclude an external thermostat, just disconnect it. **Any other restore operations must be carried out by an authorised technician.**
Stby	The stove is off and on standby to be re-started.	In this mode, the stove can be switched on/off by means of a supplementary thermostat (see *"Mechanical thermostat with energy saving"*). To exclude this function, simply raise the room temperature by pressing button **3**.
Doff	The stove is off due to the *"Day/Night Temperature Function"* and on standby to be re-started.	To stop the stove from starting again due to the *"Day/Night Temperature Function"*, press button 1 and hold for three seconds, which switches the stove off. To disenable this function completely, press button 4 and hold it down, then press button 5.
Raf / Blac Out	No power	When the shutdown cycle is completed, the stove will light again automatically.
Pul	The automatic cleaning of the burn pot is in progress.	The automatic cleaning of the burn pot takes place at regular intervals of continuous operation. The automatic cleaning is not carried out when the stove is in power level 1 position.

ALARMS

Display D1 Message	Cause	Solution
	Indicates the presence of an alarm	This indicator lights up when one of the alarms described below is in progress and is accompanied by the corresponding indication on display D1. To reset the alarm, press button 1 and hold for three seconds when the stove is completely cold.
Fum Fail	The exhaust motor is blocked. The speed control probe is faulty. No power supply to the exhaust motor.	**All restore operations must be carried out by an authorised technician.**
Fumi tc	The exhaust fume probe is broken. The exhaust fume probe is disconnected from the board.	**All restore operations must be carried out by an authorised technician.**
High Temp	The blower is faulty. Excessive pellet feed. No power supply to the fan.	Adjust the flow of pellets (see *"Pellet Feed Adjustment"*). **Other restore operations must be carried out by an authorised technician.**
Depr Fail	The exhaust pipe is obstructed. The combustion chamber is dirty. The pressure sensor is faulty. The ash drawer is not closed properly. The door is not closed properly.	Check to make sure that the exhaust outlet and the combustion chamber are clean. Check to see if the drawer is closed properly. Check to see if the door is closed properly. **Other restore operations must be carried out by an authorised technician.**
No Acc	The pellet hopper is empty. The spark plug is faulty or out of position. Inadequate pellet feed setting.	Check the level in the pellet hopper. Check the procedures described in "*Lighting*". Adjust the flow of pellets (see *"Pellet Feed Adjustment"*) **Other restore operations must be carried out by an authorised technician.**
No Acc / Blac Out	No electricity during the lighting phase.	Press button 1 to switch off the stove and repeat the procedure described in "*Lighting*".
No pell	The pellet hopper is empty. Pellet feeding is insufficient. The feed motor still has to settle in. The gearmotor is not loading pellets.	Check the level in the pellet hopper. Adjust the flow of pellets (see *"Pellet Feed Adjustment"*). **Other restore operations must be carried out by an authorised technician.**
Atte + alarm	An attempt is made to reset an alarm white the stove is still cooling.	Whenever one of the alarms described above is tripped, the stove automatically shuts down. During this phase, any attempt to reset the alarm will be blocked, and the display will show the alarm and "ATTE" in alternation. Resetting the alarm by pressing button 1 is only possible after the stove has completely shut down.
Nr. Telephone **- - - - - - - - - -**	Display of the service centre telephone number.	When an alarm occurs, the type of alarm detected and the telephone number of the service centre flash on the display in alternation. If the number has not been entered, the display shows a series of dashes.

INDICATOR LIGHTS

LED indicator light	Meaning	Description
	Weekly Programmer function	This LED is on/off when *Weekly programmer* is on/ off. For all the settings regarding this function, see the section *Weekly programmer*.
	*Room Thermostat* function	This LED is on/off when the room temperature is lower/higher than the temperature set. To modify the temperature setting, use buttons 2 and 3 during normal operation.
	Day/Night Temperature function	This led is on/off when the *Day/Night Temperature* function is on/off. To enable/disenable the *Day/Night Temperature* function, press button 4 and hold it down, then press button 5. For all settings related to this function, see the section *Day/Night Temperature Function*.
	Spark plug disactivation	This LED is on/off when the spark plug is active/inactive. **To reactivate the spark plug, contact an authorised technician.**
	Exhaust motor operation	This LED is on/off when the exhaust motor is running/not running.
	Pellet feed motor operation	This LED is on/off when the pellet feed motor is running/not running. During normal operation, this LED lights up intermittently.
	Blower operation	This LED is on/off when the blower is running/not running.
	DIVINA PLUS model only - Heat distribution motor operation	This LED is on/off when the distribution motor is running/not running. If it is blinking, check the section *"Mechanical thermostat operation for heat distribution motor"*.
	DIVINA PLUS model only - Status of supplementary thermostat	Normally this LED is **ALWAYS** on. When you connect an external thermostat to control the distribution motor, this LED is on/off when the external contact is open/closed.
	Not used	Not used
	Communication established between remote control and stove	Each time you press a button on the remote control, this LED should light up. If it stays on, it means that communication between the remote control and the stove is blocked. **To reset remote control operation, contact an authorised technician.**

9. CURRENT TIME AND DAY SETTINGS

To set the current time, proceed as follows:

1. Switch the stove off and on again using the master switch on the back of the stove.
2. The following messages are shown: first, the microchip version (**EXTRA_ 43** or later), then "**TIME**", "**Li 3**", and "**off**".
3. Press button **5** when "**TIME**" is being shown to enter the setting mode.
4. The day of the week (from DAY1 to DAY7) is shown on display **D1**.
5. Enter the current day using buttons **2** and **3** and confirm with button **5**.

Display D1	**Meaning**
DAY 1	Monday
DAY 2	Tuesday
DAY 3	Wednesday
DAY 4	Thursday
DAY 5	Friday
DAY 6	Saturday
DAY 7	Sunday

6. On display **D1**, the hour is blinking, whereas the minutes are stable. Enter the current hour using buttons **2** and **3**. Confirm with button **5**.
7. On display **D1**, the hours are now stable and the minutes are blinking. Enter the current minutes using buttons **2** and **3**.

To go back to hour setting, press button **4**; otherwise confirm and exit with button **1**.

10. USING THE STOVE

BASIC INSTRUCTIONS

The stove you have purchased uses pellets as fuel. This type of material is produced from natural waste from woodworking. By means of a special process, which does not require the use of any binders or additives, the shavings are compressed in industrial machines under high pressure and become solid wooden pellets. IT IS STRICTLY FORBIDDEN to burn any other material besides pellets in our stove.
Failure to respect these instructions will void all warranties and may jeopardise the safety of the appliance.

The first two or three times the stove is lit, the following recommendations should be observed:

- No children should be present, as the vapours emitted can be harmful for health. Adults, too, should not stay in the vicinity for very long.
- Do not touch the surfaces, as they could still be unstable.
- Air the room thoroughly several times.
- The hardening of the surfaces is completed after several heating processes.
- This stove **must not** be used as a waste incinerator.

11. LIGHTING

1. Before proceeding, check to make sure that:
   a) the hopper is loaded
   b) the combustion chamber is clean
   c) the burn pot is clean
   d) the front door and the pellet drawer are closed
   e) the power outlet is connected
   f) the switch on the back of the stove is in position 1
2. Press button **1** for three seconds; display **D1** will show the message **"At 08"**, with the numbers decreasing every second. During this stage, the stove carries out an automatic check on the efficiency of each single electrical component. When this cycle is completed, display **D1** shows the message **Ac 15** (the number of minutes for which the stove attempts the lighting stage, decreasing by 1 every minute that passes).
   NOTE: *The first time the stove is used, even if the hopper is loaded with pellets, it is possible that the pellets are not distributed to the combustion chamber for the first 15 minutes because the worm screw for loading the pellets is empty. If the stove has not developed a flame after the fifteen minutes have elapsed, the display shows the message* ***"NO acc".*** *In this case, press button 1 for three seconds until D1 shows the message* ***"OFF"****. Then repeat steps 1 and 2.*
3. If steps 1 and 2 are carried out correctly, as soon as the flame develops the stove enters the start-up phase ("**Au 07**" or "**Au 05**").
4. After the start-up phase, the stove goes into normal operation: display **D1** shows the room temperature and **D2** shows the heat setting.

WARNING!
1. NEVER USE FLAMMABLE LIQUIDS FOR LIGHTING.
2. WHEN FILLING, DO NOT BRING THE SACK OF PELLETS INTO CONTACT WITH THE HOT STOVE.

N.B.: In the event of continued lighting failures, contact an authorised technician.

12. STOVE OPERATION

12.1 Normal operation

Once the stove is lit, you can adjust the heat setting using buttons **4** and **5.** Pressing button **4** decreases the heat setting and hourly pellet consumption; pressing **5** increases them. In addition to the feed rate, the room temperature can be set directly from the control panel. The stove adjusts itself automatically in relation to the warm air ventilation.
The contents of the hopper should be monitored to prevent the stove going out due to a lack of fuel.

ATTENTION!

1. The cover of the pellet container must always be kept closed except when loading fuel.
2. The sacks of pellets must be kept at least 1.5 metres away from the stove.
3. The hopper should always be kept at least half full.
4. Before refilling, make sure that the appliance is switched off.

12.2 DIVINA PLUS operation

The operation of the DIVINA PLUS model is the same as that of the other models; in addition, it has a second motor for heat distribution. During normal operation, the second fan follows the operation of the first one.
It is possible to enable/disenable the operation of the second motor and increase/decrease its ventilation at a percentage rate.

12.3 Shutdown

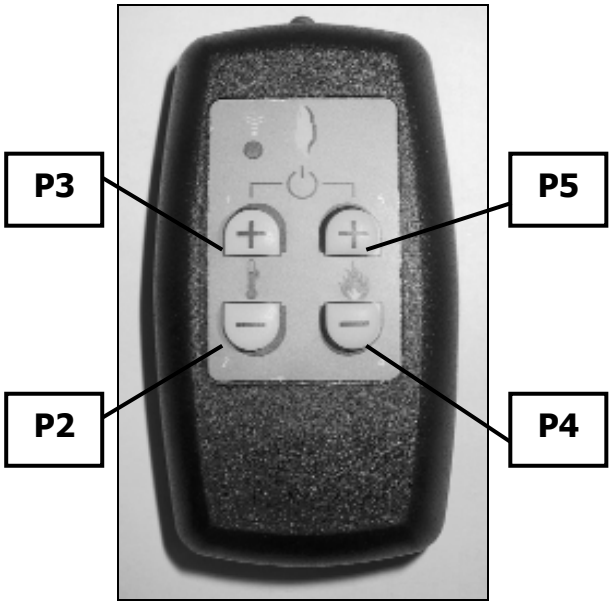
Press button **1** for three seconds.
When the three seconds have elapsed, the stove automatically starts the shutdown stage, cutting off the pellet feed. Display **D1** shows the message "**off**", the current time, and the room temperature in alternation.
Both the exhaust motor and warm air ventilation motor continue to run until the stove temperature has dropped sufficiently.

12.4 Remote control

The heat setting, the room temperature, and automatic start/stop of the stove can be remote controlled.

Correspondence between remote control buttons and display buttons

1= B3+B5
2= B2
3= B3
4= B4
5= B5



To light the stove, press buttons **3** and **5** at the same time and hold for three seconds (**Fig. 21**); the stove automatically enters the lighting stage. This is followed by the start-up phase, which allows the stove to develop and settle the flame.
When the lighting stage is complete, the stove goes into normal operation. The heat setting can be adjusted using the buttons **5** and **4**, and the room temperature setting can be adjusted using buttons **2** and **3.**
To switch off the stove, press buttons **3** and **5** at the same time and hold for three seconds. Display **D1** will show the message "**Off**".
The remote control operates with an MN21 12V battery (the kind used for gate openers).

13. ROOM THERMOSTAT

13.1 Digital thermostat

The stove can control the room temperature by means of a digital thermostat whose function is to lower the heating power to the minimum when a pre-set temperature is reached.

1. When the stove has been started and has entered normal operating mode, a number (e.g. 21°C) appears on display **D1** indicating the room temperature**.**
2. The thermostat can be set using button **2** or **3.** A message appears on the display which alternates the word **"Set"** with the temperature set each time one of the buttons is pressed. Pressing **2** decreases the value and pressing **3** increases it.
3. Wait until the message **"Set"** disappears from the display.
4. Use buttons **4** and **5** to adjust the heat setting as desired.

When the stove reaches the set temperature, it automatically goes to the minimum operating condition and LED 1 on display D1 goes off.
If you wish to exclude the digital thermostat, use button **3** to set the temperature to the maximum until "**HOT**" appears on display **D1**.
The same functions can be obtained by remote control.

13.2 Mechanical thermostat (optional)

N.B.: Installation must be carried out by an authorized technician.

A thermostat can be placed in a room adjacent to the one in which the stove is installed. Just connect a mechanical thermostat (like those used for boilers) following the procedure described below. (We recommend positioning the optional thermostat at a height of 1.50 m above floor level.)

13.2.1 Installing a mechanical thermostat (optional)

N.B.: Installation must be carried out by an authorized technician.

1. Switch off the appliance using the master switch on the back of the stove.
2. Disconnect the plug from the power outlet.
3. Referring to the electrical wiring diagram, connect the two thermostat wires to the respective terminals on the back side of the stove, one red and one black.

13.2.2 Mechanical thermostat operation

1. Light the stove using button **1**.
2. Set the desired heating power using buttons **4** and **5**.
3. Bring the room temperature to minimum using button **2**; the display will show **"Low**".

4. Set the desired room temperature on the thermostat (e.g. 21C°); the display will show **"t on"**.
5. When the stove reaches the desired temperature, it goes to the minimum operating condition (**"Low"** appears on **D1**). If the temperature drops, the stove will pass to "**t on"** again, returning to the setting previously made.

13.2.3 Mechanical thermostat with energy saving, Standby function (Stby)

The Standby function is used to further reduce pellet consumption by switching off the stove when the desired temperature has been reached.
As the temperature drops, the stove will automatically switch on again.

1. Set the desired temperature using buttons **4** and **5**.
2. Using button **2**, set the room temperature at the minimum position until display D1 shows "**Low**" with "**Set**" blinking.
3. While "**Low**" and "**Set**" are blinking, press button **1** for three seconds; the display shows **Stby**, which means that the energy saving function is on.

At this point the thermostat will control the stove as described below:

- Thermostat with closed contact: the stove switches on and operates at the power set. Display D1 shows "**t on**".
- Thermostat with open contact: the stove switches off or stays off, and display D1 shows "**Stby**".

This function can also be suspended temporarily by pressing button **1** for three seconds.

- If the stove is in "**Stby**" phase, the stove remains off. Display D1 shows "**Stby**", "**off**" and the current time.
- If the stove is in "**t on**" phase, the stove switches off. Display D1 shows "**t on**", "**off**" and the current time.

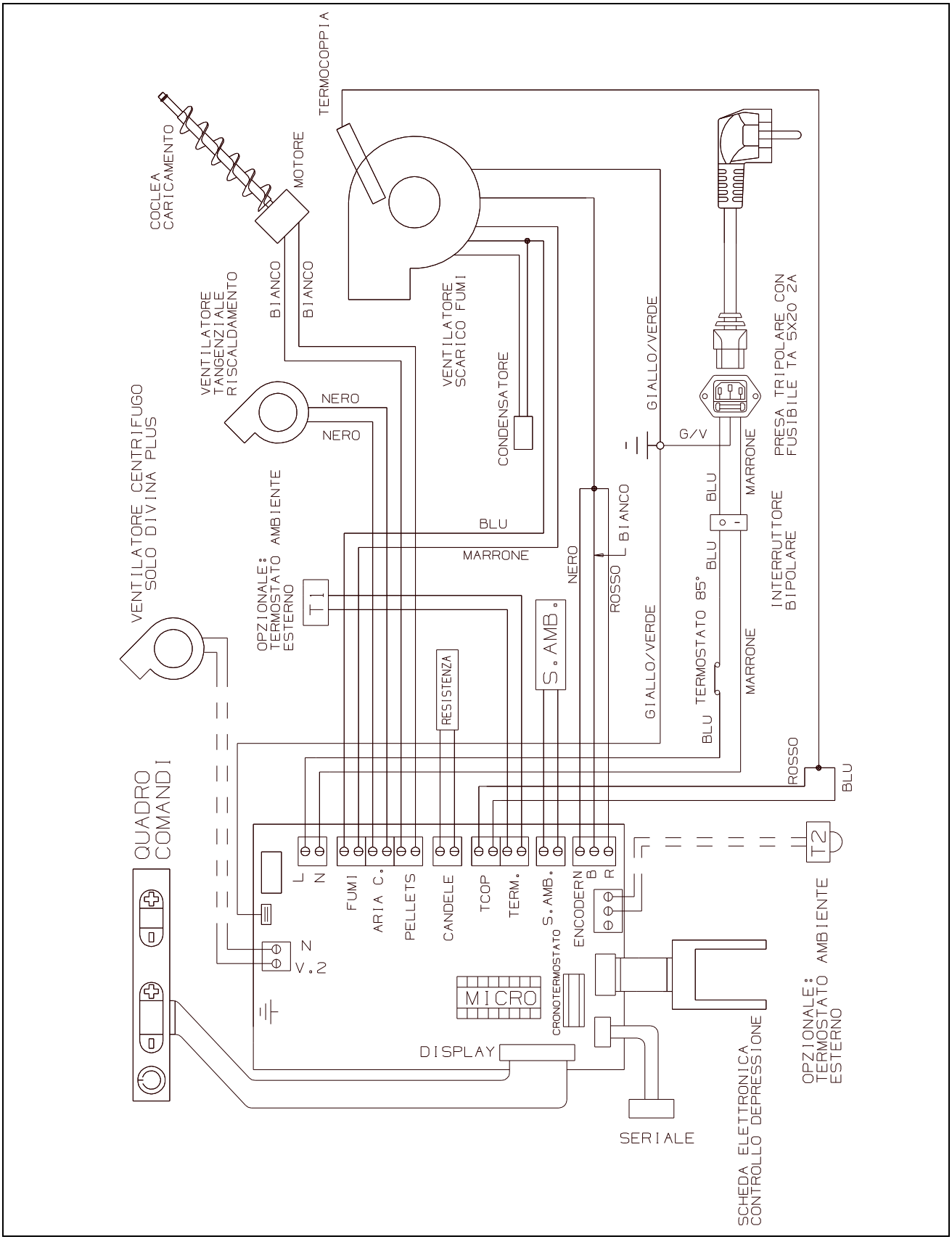
To return to using this function, press button **1** again.
To exclude this function altogether, just raise the stove thermostat temperature using button **3**.

13.2.4 Mechanical thermostat operation for heat distribution motor (DIVINA PLUS only)

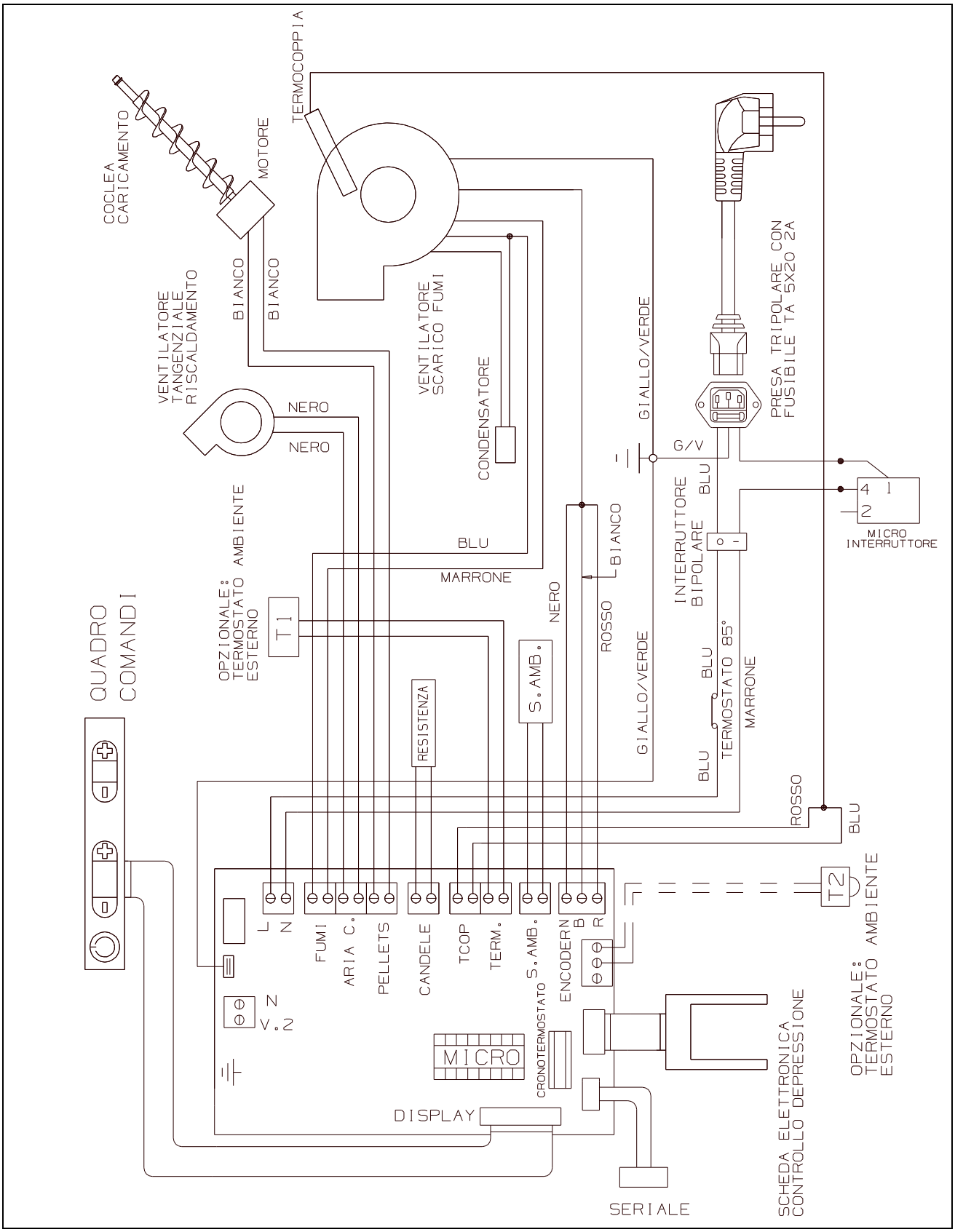
The connection of an external thermostat makes it possible to separate stove operation from the heat distribution motor operation.
At this point you just have to set the desired temperature; the mechanical thermostat will control the operation of the second motor:

- If the temperature has not been reached yet, the second motor follows the operation of the stove.
- Once the temperature has been reached, the stove takes the second motor to the 1st speed, and the related indicator light on the control panel blinks.

14. WIRING DIAGRAM



General wiring diagram



Maxi Comfort Insert wiring diagram

15. USER PARAMETERS

USER PARAMETERS		
WEEKLY PROGRAMMER		
Display 1	**Display 2**	**Function**
Off/On	**0**	Start/Stop weekly programmer
00:00	**1**	Time of first switch-on
00:00	**2**	Time of first switch-off
off1	**3**	Consents for first switch-on/switch-off for the various days
00	**4**	Installer parameter
00:00	**5**	Time of second lighting
00:00	**6**	Time of second switch-off
off 1	**7**	Consents for second switch-on/switch-off for the various days
00:00	**8**	Time of third switch-on
00:00	**9**	Time of third switch-off
off 1	**A**	Consents for third switch-on/switch-off for the various days
DAY/NIGHT TEMPERATURE FUNCTION		
Display 1	**Display 2**	**Function**
06:00	**B**	Start day phase/end night phase
22:00	**C**	Start night phase/end day phase
25	**D**	Day phase maximum temperature
20	**E**	Night phase maximum temperature
PELLET FEED ADJUSTMENT		
Display 1	**Display 2**	**Function**
00	**F**	% Pellet feed adjustment
HEAT DISTRIBUTION PARAMETERS (Divina Plus only)		
Display 1	**Display 2**	**Function**
off	**G**	Distribution motor start/stop
00	**H**	% adjustment for distribution motor

15.1 Weekly programmer

The weekly programmer enables you to set three heating periods over the course of the day, to be used for each day of the week. The timetables for switch-on/off must be consecutive within the same day, on a 24-hour basis (from 0 to 24), and not straddling more than one day.

e.g.: Switch-on 07.00 / switch-off 18.00 **OK**
Switch-on 22.00 / switch-off 05.00 **WRONG**

Before programming this function, you have to set the current day and time using the "*current day and time setting*" instructions to provide a reference for the programming function.

To access the weekly programmer setting, press and hold button **3**, press button **5**, then release both buttons at the same time. Use button **5** to move until display D2 shows "**0**" blinking.
The table below contains all the parameters of the weekly programmer function.

Parameter Display D2	Function	Adjustment buttons	Display D1 Indication	Button to confirm
0	Enable/disenable weekly programmer	2 or 3	ON/OFF	5
1	Time of 1st switch-on	2 or 3	OFF or from 00:00 to 23:50	5
2	Time of 1st switch-off	2 or 3	OFF or from 00:00 to 23:50	5
3	Consents 1st switch-on/off for the various days	2 or 3	ON/OFF 1, ON/OFF 2, … ON/OFF 7	5
4	Installer parameter	2 or 3	00	5
5	Time of 2nd switch-on	2 or 3	OFF or from 00:00 to 23:50	5
6	Time of 2nd switch-off	2 or 3	OFF or from 00:00 to 23:50	5
7	Consents 2nd switch-on/off for the various days	2 or 3	ON/OFF 1, ON/OFF 2, … ON/OFF 7	5
8	Time of 3rd switch-on	2 or 3	OFF or from 00:00 to 23:50	5
9	Time of 3rd switch-off	2 or 3	OFF or from 00:00 to 23:50	5
A	Consents 3rd switch-on/off for the various days	2 or 3	ON/OFF 1, ON/OFF 2, … ON/OFF 7	1

For example, let's suppose we want to use the weekly programmer function with the three heating periods as follows:
1st period: from 8.00 to 12.00 every day of the week except Saturday and Sunday
2nd period: from 15.00 to 22.00 only Saturday and Sunday
3rd period: not used
We can now proceed to setting the weekly programmer.

Parameter 0 (D2 = 0 (blinking) , D1 = on)
Use button **2** or **3** to activate the weekly programmer, setting the value to ON.

Parameter 1 (D2 = 1 (blinking), D1 =Ex. "08.00")
Press button **2** or **3** to set "8.00", which corresponds to the switch-on time of the 1st period. Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter 2 (D2 = 2 (blinking), D1 =Ex. "12.00")
Press button **2** or **3** to set "12.00", which corresponds to the switch-off time of the 1st period. Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter 3 (D2 = 3 (blinking), D1 = "off1")
Enable the first period for every day of the week except Saturday and Sunday, using buttons **2** and **3** as follows:
a. button **3** – to scroll the days
b. button **2** – to enable/disenable (ON/OFF) the first period for that day.

Example:

Day	Initial data	Function of button 2	Final data	Function of button 3
MONDAY	OFF 1	OFF 1 → ON 1 and vice versa	ON 1(enable period)	Go to following day
TUESDAY	OFF 2	OFF 2 → ON 2 and vice versa	ON 2(enable period)	Go to following day
WEDNESDAY	OFF 3	OFF 3 → ON 3 and vice versa	ON 3(enable period)	Go to following day
THURSDAY	OFF 4	OFF 4 → ON 4 and vice versa	ON 4(enable period)	Go to following day
FRIDAY	OFF 5	OFF 5 → ON 5 and vice versa	ON 5(enable period)	Go to following day
SATURDAY	OFF 6	OFF 6 → ON 6 and vice versa	OFF 6(disable period)	Go to following day
SUNDAY	OFF 7	OFF 7 → ON 7 and vice versa	OFF 7(disable period)	Go to following day

Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter 4 (D2 = 5, D1 =”00”)
N.B.: This parameter is reserved to the installer and must not be modified.

Parameter 5 (D2 = 5 (blinking), D1 =Ex. “15.00”)
Press button **2** or **3** to set “15.00”, which corresponds to the switch-on time of the 2nd period.
Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter 6 (D2 = 6 (blinking), D1 =Ex. “22.00”)
Press button **2** or **3** to set “22.00”, which corresponds to the switch-off time of the 2nd period.
Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter 7 (D2 = 7 (blinking), D1 = “off1”)
Enable the 2nd period for Saturday and Sunday only, using buttons **2** and **3** as follows:
a. button **3** – to scroll the days
b. button **2** – to enable/disenable (ON/OFF) the 2nd period for that day.

Example:

Day	Initial data	Function of button 2	Final data	Function of button 3
MONDAY	OFF 1	OFF 1 → ON 1 and vice versa	OFF 1(disable period)	Go to following day
TUESDAY	OFF 2	OFF 2 → ON 2 and vice versa	OFF 2(disable period)	Go to following day
WEDNESDAY	OFF 3	OFF 3 → ON 3 and vice versa	OFF 3(disable period)	Go to following day
THURSDAY	OFF 4	OFF 4 → ON 4 and vice versa	OFF 4(disable period)	Go to following day
FRIDAY	OFF 5	OFF 5 → ON 5 and vice versa	OFF 5(disable period)	Go to following day
SATURDAY	OFF 6	OFF 6 → ON 6 and vice versa	ON 6(enable period)	Go to following day
SUNDAY	OFF 7	OFF 7 → ON 7 and vice versa	ON 7(enable period)	Go to following day

Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter 8 (D2 = 8 (blinking), D1 =Ex. “off”)
Press button **2** or **3** to set “off”, which is situated before “00.00”, to disenable the third period.
Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter 9 (D2 = 9 (blinking), D1 =Ex. “off”)
Press button **2** or **3** to set “off”, which is situated before “00.00” to disenable the third period.
Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.

Parameter A (D2 = A (blinking), D1 =Ex. “off1”)
At this point, the data in this parameter no longer has any value, as the switch-on/off of the third period have been disenabled.
Press button **5** to confirm and go to the next parameter.
Press button **4** to go back to the previous one.
Press button **1** to confirm and exit.

Note: When the weekly programmer is on, the corresponding LED indicator on the control panel is on (see description of indicator lights).

TO DISACTIVATE THE WEEKLY PROGRAMMER, enter the User Parameters by pressing button **3** and holding it, then pressing button **5**. Display D2 shows a blinking "**0**". Use button **2** or **3** to set **"off"** mode on display D1**.** Press button **1** to confirm and exit.
Manual controls via the front panel or remote control take precedence over any programmed settings.

15.2 Day/Night temperature function

The day/night temperature function makes it possible to switch the stove on/off automatically based on two selected temperatures. This function is particularly useful when the stove heat exceeds the setting of the room thermostat (e.g. due to mid-season temperatures or a stove that is oversized with respect to the space).
This system enables you to select one temperature for daytime and one for night.
Before programming this function, you have to set the current day and time using the "*current day and time setting*" instructions to provide a reference for the programming function.

To access the parameters of the day/night temperature function, press button **3** and hold it down, then press button **5** and release both buttons at the same time. When you have entered the function, press button **5** to move to parameter b (D2=ut b)

Parameter b (D2 = b, D1 =Ex. "06.00")
Press button **2** or **3** to set the day period beginning/night period end.
Press button **5** to confirm and go to the next parameter.

Parameter c (D2 = c, D1 =Ex. "22.00")
Press button **2** or **3** to set the day period end/night period beginning.
Press button **5** to confirm and go to the next parameter.

Parameter d (D2 = d, D1 =Ex. "25°C")
Press button **2** or **3** to set the maximum temperature for the day period.
Press button **5** to confirm and go to the next parameter.

Parameter E (D2 = e, D1 =Ex. "20°C")
Press button **2** or **3** to set the maximum temperature for the night period.
Press button **1** to confirm and exit.

When you have exited from the programming, to activate/disactivate the function, press button **4** and hold it down, press button **5**, then release both buttons at the same time.
The corresponding LED on the control panel will light up/go off (see description in the table of indicator lights).

N.B. The stove must always be shut down while setting parameters.

Summary table

Display D1	Display D2	Function
06:00	**B**	Start day phase/end night phase
22:00	**C**	Start night phase/end day phase
25°C	**D**	Day phase max. temperature
20°C	**E**	Night phase max. temperature

Once this function is active, it is still necessary to light the stove using button 1. When the stove switches off because the maximum temperature has been reached, the message "**doff**" appears on **D1**.The stove will switch on again automatically when the room temperature is **3**°C lower than the maximum temperature set.

e.g. Status of the stove – **doff**
Max. temperature set – 25°C

When the room temperature goes below 22°C (25 – 3 = 22°C), the stove will automatically start again.
N.B.: This only occurs if the stove is in "doff" status, not in "off" status.

Manual controls via the front panel or remote control take precedence over any programmed settings.

15.3 Pellet feed adjustment

Problems related to the quantity of pellets fall into one of two categories:

1 - LACK OF PELLETS
- The stove cannot develop a suitable flame, tending to burn very poorly even at high speeds.
- At the lowest speed, the stove tends to almost burn out, causing the stove to go into "**NO PELL**" alarm status.
- When "**NO PELL**" is displayed, there may still be some unburned pellets in the burn pot.

2 - EXCESS PELLETS
- The stove develops a very high flame even at low speeds.
- The flame tends to soil the stove window, darkening it almost completely.
- The burn pot tends to get incrusted, blocking the air intake holes, due to the excessive pellet load that is only partially burned.

N.B.: If this problem occurs just a few months after installation, check to make sure that the user is correctly carrying out the regular cleaning schedule described in the instruction manual.

The adjustment is made on a percentage basis, and therefore any change of this parameter leads to a proportional variation on all loading speeds of the stove.
To access the percentage adjustment of pellet feeding, you have enter the user programming by pressing button **3**, and while keeping it pressed, press button **5**.

At this point use button **5** to move through the menu until you see **"F"** blinking on **D2.**

If you go beyond this parameter unintentionally, exit by pressing button **1** and repeat the procedure.
The value **"00"** will be shown on **D1**: using buttons **2** and **3**, you can set an increased/decreased percentage at 5 point intervals (the parameter can be modified with a maximum scale from -50 to +50).

Adjustment table

LACK OF PELLETS	Increase the percentage by 5 percent and try the stove with this new setting for at least half an hour. If the problem is reduced but not resolved, increase by a further 5 percent. Repeat this process until the problem is resolved. If the problem cannot be resolved, contact the service centre.
EXCESS PELLETS	Decrease the value by 5 percent and try the stove with this new setting for at least half an hour. If the problem is reduced but not resolved, decrease by a further 5 percent. Repeat this process until the problem is resolved. If the problem cannot be resolved, contact the service centre.

When the final adjustment has been made, press button **1** to confirm and exit the program.

15.4 Heat distribution motor parameters

These parameters enable you to carry out some operations regarding the heat distribution motor of the Divina Plus stove.
To access these parameters, press button **3** and hold it down, then press button **5**. Move through the menu by pressing button **5** until a blinking **"G"** appears on **D2.**

Parameter Table

off	**G**	Distribution motor start/stop
00	**H**	% setting of distribution motor

The parameter **"G"** is for enabling/disenabling operation of the distribution motor. Simply use buttons **2** and **3** on D1 to set "on" to enable or "off" to disenable the motor. To confirm and exit, press button **1**. To continue with programming, press button **5**.

The parameter "**H**" enables you to make a percentage modification (therefore proportional on all the power levels) of the speed of the distribution motor on the Divina Plus model.
Display **D1** will show "**00**": using buttons **2** and **3**, you can increase/decrease the value at 5 point intervals (the parameter can be modified with a maximum scale from -50 to **+**30). When the final adjustment has been made, press button **1** or **5** to confirm and exit.

16. STOVE CLEANING

16.1 Ecologica – Maxi Comfort Insert

Maintenance is necessary to ensure the correct operation of your stove over time. Failure to do so may make the stove unsafe.

1. CLEANING THE BURN POT

The burn pot must be cleaned every day. To do so:

- Remove the burn pot form its compartment and clean the holes using the poker provided (see Fig.1).
- Remove the ash from the burn pot using a vacuum cleaner.
- Vacuum the ash deposited in the burn pot compartment.

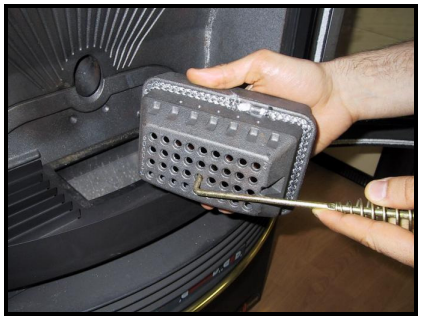


Fig. 1

2. USING THE SCRAPERS

Cleaning the heat exchangers allows you to maintain a constant heat yield over time. This type of maintenance must be carried out at least once a day. For this purpose, use the special scrapers located in the upper part of the stove, moving them up and down several times (see Fig.2).

Fig. 2

3. CLEANING THE ASH PANS

The ash pans should be emptied as needed, either using a vacuum cleaner or, for the Ecologica model, by pulling out the ash drawer at the bottom. To remove the drawer, proceed as follows:

- Press the bottom door downwards and rotate it outwards (Fig. 3).
- Turn the handle 90° in order to release the drawer from the fixed body of the stove (Fig. 4).
- Pull out the ash drawer and empty the ashes.

Fig. 3

Work in inverse order to reassemble.

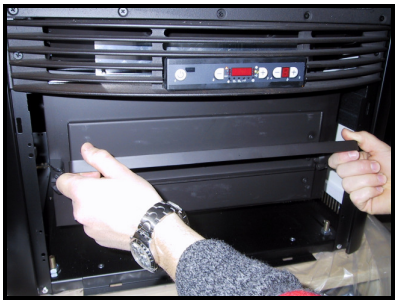


Fig. 4

Fig. 5

4. CLEANING THE HEAT EXCHANGER (monthly)

The heat exchangers chamber has to be cleaned once a month because the ash residue doesn't let the stove work properly. To do this, it is necessary to remove the firewall:

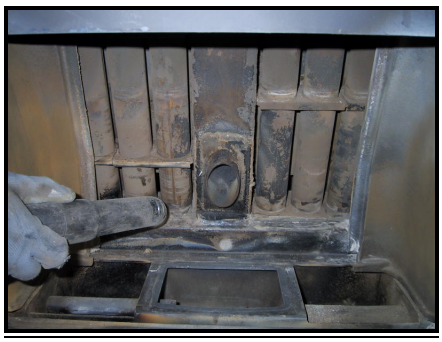
- Remove the brazier from his frame
- Rotate the door latch of 180° like in picture 7.
- Take the cast iron and rotate it down.
- Remove it from the combustion chamber by pulling it. Pay attention to the two lateral cast iron levers.

Once the heat exchangers chamber is accessible, scrape with the ash hook to remove the deposited residues and scrape off any encrustation. Finally use vacuum cleaner to complete the cleaning (picture 9). After that proceed in the inverse order to reassemble and rotate the door latch of 180° to have it in the original position.

Picture 6

Picture 7

Picture 8



Picture 9

5. DOOR, ASH DRAWER AND BURN POT SEALS

The seals ensure that the stove is hermetically sealed and consequently that it operates correctly. The seals should be checked periodically and replaced immediately if worn or damaged. These operations must be carried out by an authorized technician.

N.B.: To ensure correct operation, the stove should have general maintenance performed at least once a year by an authorized technician.

If the power cable is damaged, it must only be replaced by the service centre or by a qualified technician, in order to avoid any risks.

16.2 Bella – Bella Lux – Contessa – Divina – Divina Plus – Duchessa

Maintenance is necessary to ensure the correct operation of your stove over time. Failure to do so may make the stove unsafe.

1. BURN POT CLEANING

The burn pot must be cleaned every day. To do so:

- Remove the burn pot form its compartment and clean the holes using the poker provided (see Fig.1).
- Remove the ash from the burn pot using a vacuum cleaner.
- Vacuum the ash deposited in the burn pot compartment.

Fig. 1

2. USING THE SCRAPERS

Cleaning the heat exchangers allows you to maintain a constant heat yield over time. This type of maintenance must be carried out at least once a day. For this purpose, use the special scrapers located in the upper part of the stove, moving them up and down several times.

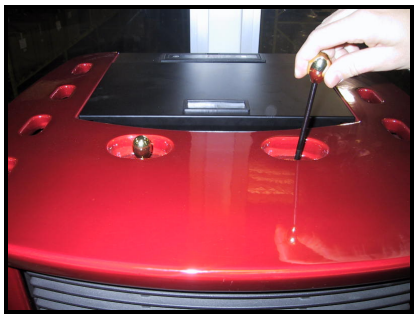


Fig. 2

3. CLEANING THE ASH DRAWER

The ash pans should be emptied as needed by removing the ash drawer located at the bottom. To remove the drawer, proceed as follows:

- Press the bottom door downwards and rotate it outwards (Fig. 3).
- Turn the handle 90° in order to release the drawer from the fixed body of the stove (Fig. 4).
- Pull out the ash drawer and empty the ashes.

Work in inverse order to reassemble.

Fig. 3

Fig. 4

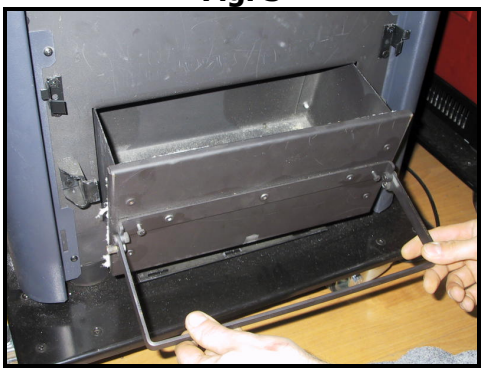


Fig. 5

Picture 6

4. CLEANING THE HEAT EXCHANGER (monthly)

The heat exchangers chamber has to be cleaned once a month because the ash residue doesn't let the stove work properly. To do this, it is necessary to remove the firewall:

- Remove the brazier from his frame
- Rotate the door latch of 180° like in picture 7.
- Take the cast iron and rotate it down.
- Remove it from the combustion chamber by pulling it. Pay attention to the two lateral cast iron levers.

Once the heat exchangers chamber is accessible, scrape with the ash hook to remove the deposited residues and scrape off any encrustation. Finally use vacuum cleaner to complete the cleaning (picture 9). After that proceed in the inverse order to reassemble and rotate the door latch of 180° to have it in the original position.

Picture 7

Picture 8

Picture 9

5. DOOR, ASH DRAWER AND BURN POT SEALS

The seals ensure that the stove is hermetically sealed and consequently that it operates correctly. The seals should be checked periodically and replaced immediately if worn or damaged. These operations must be carried out by an authorized technician.

N.B.: To ensure correct operation, the stove should have general maintenance performed at least once a year by an authorized technician.

If the power cable is damaged, it must only be replaced by the service centre or by a qualified technician, in order to avoid any risks.

16.3 Babyfiamma – Preziosa – Karolina – Isabella

Maintenance is necessary to ensure the correct operation of your stove over time. Failure to do so may make the stove unsafe.

1. BURN POT CLEANING

The burn pot must be cleaned every day. To do so:

- Remove the burn pot form its compartment and clean the holes using the poker provided.
- Remove the ash from the burn pot using a vacuum cleaner.
- Vacuum the ash deposited in the burn pot compartment.

Fig. 1

2. SCRAPERS

Cleaning the heat exchangers allows you to maintain a constant heat yield over time. This type of maintenance must be carried out at least once a day. For this purpose, use the special scrapers located in the upper part of the stove, moving them back and forth several times.

Fig. 2

3. CLEANING THE ASH PANS

The ash pans should be emptied as needed by pulling out the ash drawer at the bottom. To remove the drawer, proceed as follows:

- Press the bottom door downwards and rotate it outwards (Fig. 3).
- Turn the handle 90° in order to release the drawer from the fixed body of the stove (Fig. 4).
- Pull out the ash drawer and empty the ashes.

Fig. 3

Work in inverse order to reassemble.

Fig. 4

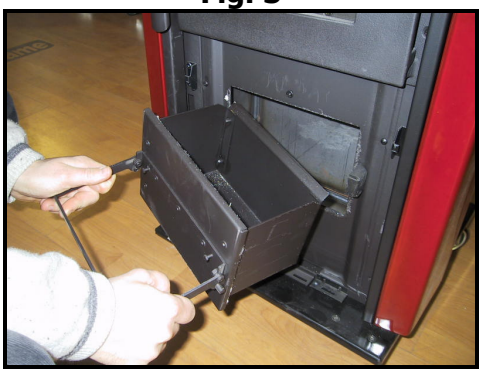
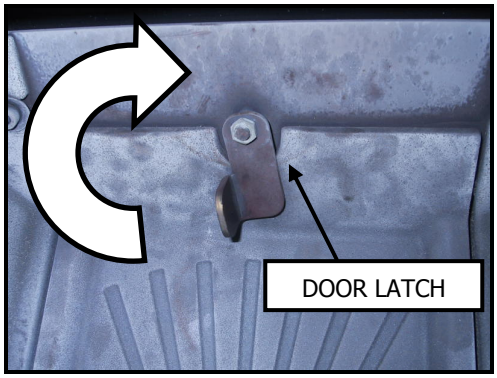


Fig. 5



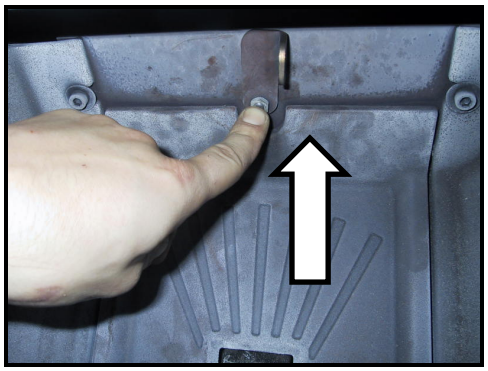
Picture 6

4. CLEANING THE HEAT EXCHANGER (monthly)

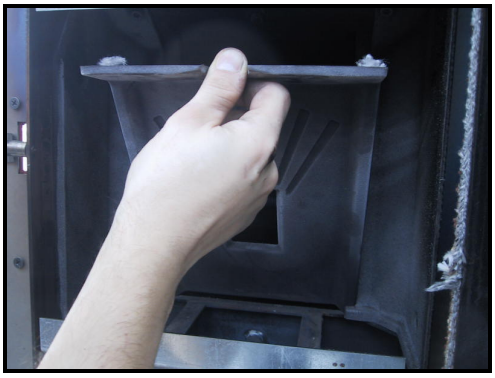
The heat exchangers chamber has to be cleaned once a month because the ash residue doesn't let the stove work properly. To do this, it is necessary to remove the firewall:

- Remove the brazier from his frame
- Rotate the door latch of 180° like in picture 7.
- Take the cast iron and rotate it down.
- Remove it from the combustion chamber by pulling it. Pay attention to the two lateral cast iron levers.

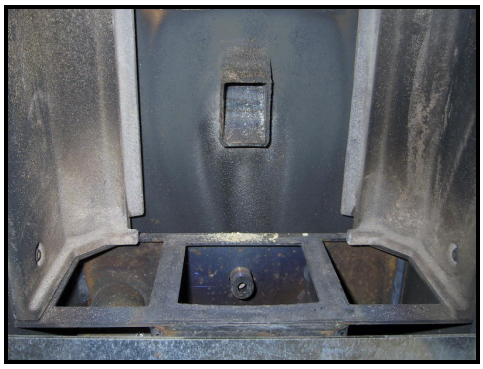
Once the heat exchangers chamber is accessible, scrape with the ash hook to remove the deposited residues and scrape off any encrustation. Finally use vacuum cleaner to complete the cleaning (picture 9). After that proceed in the inverse order to reassemble and rotate the door latch of 180° to have it in the original position.



Picture 7



Picture 8



Picture 9

5. DOOR, ASH DRAWER AND BURN POT SEALS

The seals ensure that the stove is hermetically sealed and consequently that it operates correctly. The seals should be checked periodically and replaced immediately if worn or damaged. These operations must be carried out by an authorized technician.

N.B.: To ensure correct operation, the stove should have general maintenance performed at least once a year by an authorized technician.

If the power cable is damaged, it must only be replaced by the service centre or by a qualified technician, in order to avoid any risks.

16.4 Falò 1XLP – Falò 1CP – Falò 2CP

Maintenance is necessary to ensure the correct function of your stove over time. Failure to do so may make the device unsafe.

1. CLEANING THE BURN POT

The burn pot must be cleaned every day. To do so:

- Remove the burn pot form its compartment and clean the holes using the poker provided (see Fig.1).
- Remove the ash from the burn pot using a vacuum cleaner.
- Vacuum the ash deposited in the burn pot compartment.

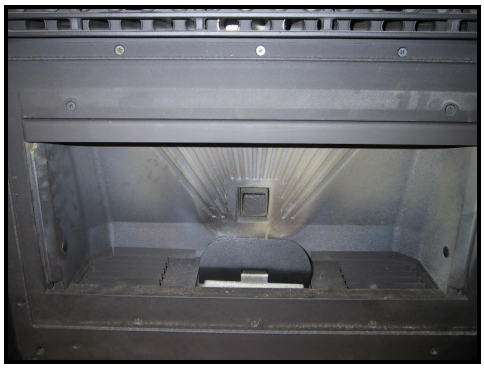


Fig. 1

2. USING THE SCRAPERS

Cleaning the heat exchangers allows you to maintain a constant heat yield over time. This type of maintenance must be carried out at least once a day. For this purpose, use the special scrapers located in the upper part of the stove, moving them up and down several times (see Fig.2).

Fig. 2

3. CLEANING THE ASH PANS

The ash pans (indicated by the arrows in Fig.3) should be emptied as needed using a vacuum cleaner.

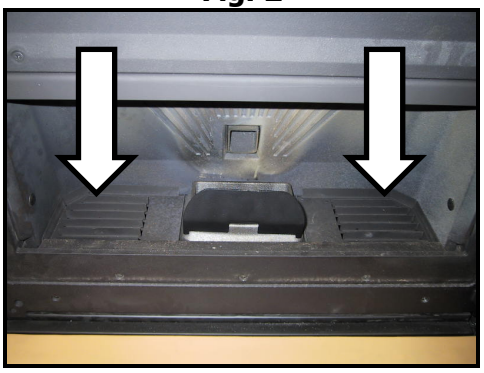


Fig. 3

4. CLEANING THE HEAT EXCHANGER (monthly)

The heat exchangers chamber has to be cleaned once a month because the ash residue doesn't let the stove work properly. To do this, it is necessary to remove the firewall:

- Remove the brazier from his frame
- Rotate the door latch of 180° like in picture 7.
- Take the cast iron and rotate it down.

Picture 4

- Remove it from the combustion chamber by pulling it. Pay attention to the two lateral cast iron levers.

Once the heat exchangers chamber is accessible, scrape with the ash hook to remove the deposited residues and scrape off any encrustation. Finally use vacuum cleaner to complete the cleaning (picture 9). After that proceed in the inverse order to reassemble and rotate the door latch of 180° to have it in the original position.

Picture 5

Picture 6

Picture 7

5. DOOR, ASH DRAWER AND BURN POT SEALS

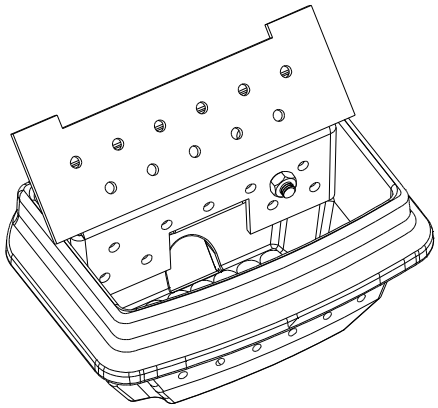
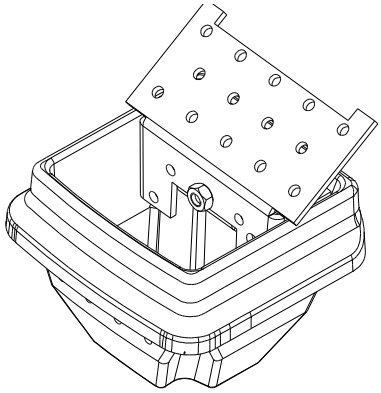
The seals ensure that the stove is hermetically sealed and consequently that it operates correctly. The seals should be checked periodically and replaced immediately if worn or damaged. These operations must be carried out by an authorized technician.

N.B.: To ensure correct operation, the stove should have general maintenance performed at least once a year by an authorized technician.

If the power cable is damaged, it must only be replaced by the service centre or by a qualified technician, in order to avoid any risks.

16.5 Burn pot partition

Some Extraflame products have a partition fixed to the burn pot by a screw, which reduces the amount of carbon monoxide produced by the stove.

 Burn pot of: Bella – Bella Lux – Contessa – Duchessa – Divina – Divina Plus – Falò 1CP – Falò 2CP – Falò 1XLP	 Burn pot of: Babyfiamma – Preziosa – Karolina – Isabella

WARNING!!

<u>Removing the burn pot partition can jeopardise stove safety and immediately voids the warranty.</u>

16.6 Chimney connection

Once a year, or whenever needed, vacuum and clean the duct that leads to the chimney.
If there are horizontal sections, remove any ash residues before they can obstruct passage of the smoke. **FAILURE TO CLEAN jeopardises safety.**

17. WARRANTY

EXTRAFLAME S.p.A. guarantees this product for a period of 2 (two) years from the date of purchase against manufacturing and material defects.

The responsibility of EXTRAFLAME S.p.A. is limited to the supply of the appliance, which must be properly installed following the instructions contained in the booklets provided with the product and respecting the laws in force.
The installation of the product must be performed by an authorized technician, who will assume the entire responsibility for it and for its efficient operation. EXTRAFLAME S.p.A. declines any responsibility if these conditions are not met.

It is indispensable to perform final testing of the product prior to completing the installation with the respective finishing works (external facing, pilaster strips, wall painting, etc.). EXTRAFLAME S.p.A. declines all responsibility for any damage and consequent expenses incurred for redoing the finishing works as above, even if such works have to be carried out following the replacement of malfunctioning parts.

EXTRAFLAME S.p.A. guarantees that its products are manufactured with the best quality materials and with fabrication techniques that guarantee perfect efficiency.
If, during normal use of the product, any parts should show to be defective or malfunctioning, these parts will be replaced free of charge by the vendor from whom the product was purchased or by our area service centre.

WARRANTY CONDITIONS

VALIDITY

The warranty is considered valid on condition that:

1. the customer sends the warranty card within 15 (fifteen) days from the date of purchase. The card must be entirely filled in and the date of purchase must be validated by the possession of a valid receipt provided by the vendor;
2. the appliance is installed by an authorized technician who verifies the suitability of the technical characteristics of the plant where the appliance is to be installed, which in any case must comply with the requirements stated in the booklets provided with the products;
3. the stove is used as described in the instruction manual provided with all products.

The warranty will not cover damages caused by:

1. Atmospheric, chemical or electrochemical agents, improper use of the product, failure to perform maintenance, modifications or tampering with the product, unsuitability of the flue/chimney, and/or any other causes not depending on the product.
2. Overheating of the stove; that is, burning of materials that do not conform to the types and quantities indicated in the manual.
3. Any damage caused by transport. We therefore recommend that you carefully inspect the goods on receipt, immediately notifying the vendor of any damage and making note of such on the shipping document and on the shipper's copy.

The warranty excludes all parts subject to wear:

- Seals, all the ceramic and tempered glass parts, casings and grills in cast iron or Ironker, painted, chromed, or gilded parts, the majolica ceramics, the handles and electrical cables.
- Chromatic variations, tiny cracks in the glaze, and slight dimensional differences in the majolica parts shall not constitute reasons for claims, as they are natural characteristics of these materials.
- Building works.
- For thermo-products: the parts of the plumbing system not supplied by EXTRAFLAME S.p.A.

The warranty excludes any calibrations or adjustments of the product based on the type of fuel or the type of installation.
This warranty is valid only for the purchaser and may not be transferred.
In the event of replacement of any part, the warranty will not be extended.
No compensation will be given for the period in which the product is out of use.
This is the only valid warranty and no one is authorised to supply other warranties either in the name of or on behalf of EXTRAFLAME S.p.A.

SERVICE UNDER WARRANTY

The service request must be forwarded to the vendor.
The service under warranty involves repair of the product completely free of charge as per the laws in force.

RESPONSIBILITY

EXTRAFLAME S.p.A. shall not be liable for any direct or indirect damage caused by or depending on the product.

COMPETENT COURT

For any controversy, the competent court shall be the court of Vicenza, Italy.

18. QUALITY CONTROL

Model		
Serial no.		
Tests carried out		
- automatic lighting		
- combustion air motor		
- convection air motor		
- appearance		
- packing/technical data label		

Technician's signature _____

Stamp

Date of purchase _____

Cut out and send to the manufacturer within 15 days of the date of purchase

Name

Surname

Address

Postal code

City

Telephone

Model

Serial number

Vendor

Date of purchase

Stamp

IMPORTANT: ☐ I accept ☐ I do not accept

Notice as per Law 196/2003 – Your personal data are treated by our company in full respect for Italian Law 196/2003 for the entire duration of the contractual relationships established and also thereafter for the fulfilment of all legal obligations as well as to carry out effective management of the commercial relationships. The data may be communicated to other external subjects only for the purpose of overseeing credit matters and for the protection of our rights regarding the single commercial relationship, and may also be communicated to third parties for the fulfilment of specific legal obligations. The interested party has the right to exercise his rights as per Art.7 of the above-said law.

PELLET STOVES

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